HOSES

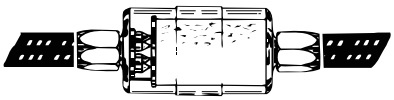
Hoses carry the air from the source to the air brush. They are available in two types: a vinyl hose for lower pressures, and a braided hose for higher pressures. Coil hoses are vinyl hoses formed in a coil to stay out of the way. Hoses from different manufacturers are usually not interchangeable without adaptors.

BA-50-0011	Badger 10' Vinyl Air Hose
BA-50-2011	Badger 10' Braided Air Hose
BA-50-4011	Badger 10' Coiled Hose
PAA-906	Paasche 6' Braided Hose
PAA-908	Paasche 8' Braided Hose
PAA-910	Paasche 10' Braided Hose
PAA-930	Paasche 10' Coil Hose

Braided Hose

Vinyl Hose

Coiled Hose

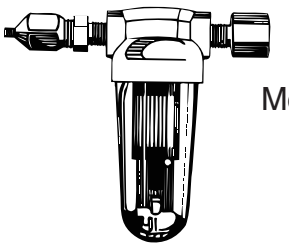


Hose W/Inline Moisture Trap

MOISTURE TRAPS

Moisture traps are small (about 2") cylinders that remove water, the by- product of compressed air. This helps reduce moisture damage and inconvenience. Provided separately and in-line in hoses.

PAA-825	Paasche Moisture Trap
PAA-918	Paasche 8' Hose W/In-line Moisture Trap
BA-50-2012	Badger Filter W/In-line Hose
BA-50-2015	Badger Filter Only



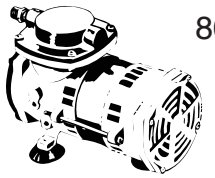
Moisture Trap

COMPRESSORS

BADGER 80-2

Designed for portability and cost effectiveness, this lightweight, quiet compressor can be carried from place to place. It has a 6' cord with a two prong plug. Virtually maintenance free, oil-less and never needs lubrication. Operates one airbrush at about 25 PSI.

BA-80-2 Badger Compressor



80-2

PAASCHE D500

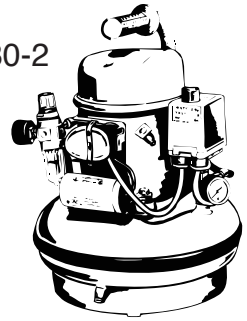
Economical and suitable for all airbrushes spraying properly thinned fluids. It is capable of delivering up to 30 lbs. pressure, is an oil-less diaphragm unit and comes with 3 wire cord. Delivers .5 C.F.M. at 20 P.S.I.

PAA-D500 Paassche D500

BADGER 380-2 SILENT II

The high efficiency 1/2 horsepower oil reciprocating piston motor mounted on a larger capacity air tank. It quietly powers one to five airbrushes simultaneously without pulsation. Develops 1.75 CFM at 116 PSI Not for continuous industrial use.

BA-380-2 Badger Silent II

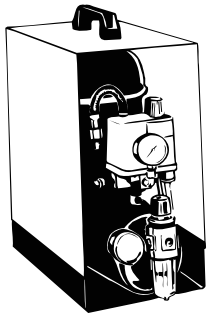


380-2

BADGER 380-11 SILENT I

A silent compressor with in line oil filter that assures no oil enters the air stream. Powered by a 1/4 HP oil reciprocating piston motor with a 1.06 gallon tank that quietly powers up to three air-brushes simultaneously without pulsation. Develops 1.75 CFM at 116 PSI Not for continuous industrial use.

BA-380-11 Badger Silent I



380-11

Drawing

DRAWING PENCILS
CHARCOAL PENCILS
SKETCH PENCILS
MARKING PENCILS
COLORED PENCILS
CRAYONS
GRAPHITE
CHALK
CHARCOAL
DRAWING LEADS
LEAD HOLDERS
ERASERS
SHARPENERS
BLENDERS
SOFT PASTELS
HARD PASTELS
OIL PASTELS
FIXITIF

DRAWING PENCILS

A drawing pencil is a black lead pencil. What makes a drawing pencil special, is that it is made in a wide variety of degrees, or hardnesses. These degrees are also carefully controlled to insure accurate steps between degrees, and uniformity from batch to batch. Most manufacturers also use special combinations of clay and graphite not available in their general use pencils.

9000 CASTELL DRAWING

A quality pencil that is known for purity, durability, and delicacy of tone. It gives good adhesion to paper and reduces smudging to a minimum. Available in 15 degrees from 8B to 6H plus F and HB. In handsome green finish, with tip, 12 per box.

AW-9000-8B	8B	AW-9000-F	F
AW-9000-6B	6B	AW-9000-H	H
AW-9000-5B	5B	AW-9000-2H	2H
AW-9000-4B	4B	AW-9000-3H	3H
AW-9000-3B	3B	AW-9000-4H	4H
AW-9000-2B	2B	AW-9000-5H	5H
AW-9000-B	B	AW-9000-6H	6H
AW-9000-HB	HB		

Sets of 12 in Metal Tins

EF-05022	Art Set	5B-2H
EF-05023	Design Set	5B-5H

GENERAL'S KIMBERLY

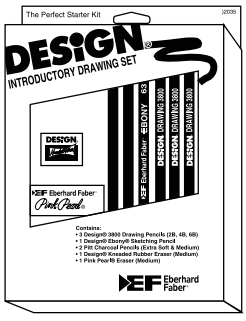
The Kimberly features extra dense, non-porous leads that result in extra long, durable points. They are then "carbo-welded" to the wood. Points withstand four times normal pressure and produce lines of high opacity. Finished in lustrous green and gold leaf stamped. Available from 8B through 7H plus HB , F, & XB (Extra Soft). 12 per box.

GP-0525-8B	8B	GP-0525-F	F
GP-0525-7B	7B	GP-0525-H	H
GP-0525-6B	6B	GP-0525-2H	2H
GP-0525-5B	5B	GP-0525-3H	3H
GP-0525-4B	4B	GP-0525-4H	4H
GP-0525-3B	3B	GP-0525-5H	5H
GP-0525-2B	2B	GP-0525-6H	6H
GP-0525-B	B	GP-0525-7H	7H
GP-0525-HB	HB		

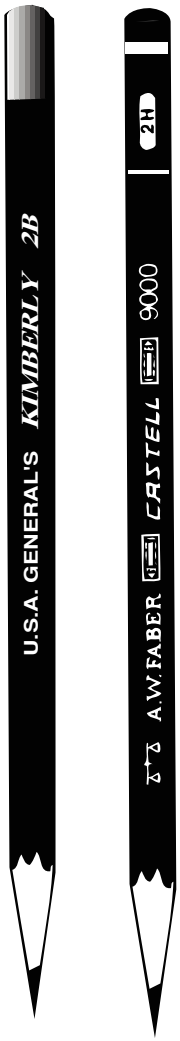
DESIGN DRAWING SETS

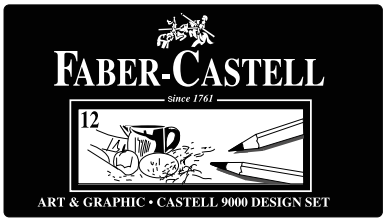
Three drawing sets that contain the essentials for sketching and drawing. All sets contain a kneaded eraser, Pink Pearl eraser, and an Ebony Sketch Pencil.
The introductory Set also contains: 3 drawing pencils (2B, 4B, & 6B) and 2 charcoal pencils (X-Soft & Med).

EF-02035 Introductory Set

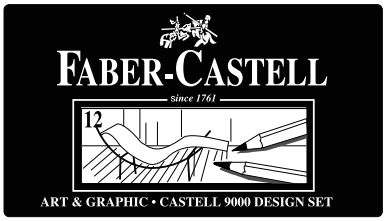


02035 Design Drawing Set - Introductory





05022 9000 Drawing Set (Art Pencil)



05023 9000 Design Set

KIMBERLY DRAWING SETS

Two sets with an assortment of pencils for the student or professional artist. A blister pack containing one each of 2B, HB, & 2H Kimberly drawing pencils, a layout pencil, and eraser. Also, a boxed set with twelve Kimberly drawing pencils (8B, 6B, 4B, 3B, 2B, B, HB, F, 2H, &H) plus a sharpener and eraser.

GP-0025	Kimberly Boxed Drawing Kit
GP-0525-BP	General Kimberly Carded Drawing Set

2MM LEADS

2mm leads have been a standard tool for artists and draftsmen for many years. Available in uniform degrees in leads about 5" long.

200 STAEDLER MARS LEADS

Mars drawing leads offer the the most accurate and uniformly graded, strongest, and blackest leads available. Made in 7 degrees, 4B, 2B, B, HB, H, 2H, and 4H. 12 per package.

MR-200-XX	Mars 2mm Leads	12 per pkg.
MR-200-E2-XX	Mars 2mm Leads	2 per pkg

FINE LINE LEADS

MARS MICROGRAPH

Fine line leads made to exact standards, assuring high point strength, slow wear, and accurate degrees. An ideal lead for paper & film, producing opaque, ink like lines. Twelve leads per package, twelve packages per box. Availability: .3mm B, HB, H, & 2H .5mm 2B, B, HB, F, H, 2H, & 3H .7mm 2B, B, HB, H, & 2H .9mm B, & HB.

MR-200-03-XX	Mars Micrograph Lead	.3mm
MR-200-05-XX	Mars Micrograph Lead	.5mm
MR-200-07-XX	Mars Micrograph Lead	.7mm
MR-200-09-XX	Mars Micrograph Lead	.9mm

CHARCOAL PENCIL

Charcoal pencils are made from charred wood that is made into cylinders and put into a wood case. They produce matte black lines that can be blended. In this form, they can be sharpened to a fine point.

EURO BLEND CHARCOAL

A pencil with the rich blackness of charcoal, and the smooth feel of graphite. Artists who find charcoal pencils too abrasive, will appreciate the expressive freedom made possible by this beautifully made, remarkable expressive drawing medium. 12 per sleeve.

GP-0059-3B	Euro Charcoal Pencil	3b
GP-0059-B	Euro Charcoal Pencil	B
GP-0059-HB	Euro Charcoal Pencil	HB
GP-0059-W	Euro Charcoal Pencil	White

GENERAL CHARCOAL

Made from highly refined willow charcoal and blended with the finest organic blacks, these pencils yield rich warm black tones unattainable with any other medium. Created to be the ultimate in charcoal medium. 12 per sleeve.

GP-0557-2B	General Charcoal Pencil	2B
GP-0557-4B	General Charcoal Pencil	4B
GP-0557-6B	General Charcoal Pencil	6B
GP-0557-HB	General Charcoal Pencil	HB

CHARCOAL BLISTER PACK

Blister pack containing four pencils (charcoal 2B, 4B, & 6B, plus charcoal White) and a kneaded eraser.

GP-0557-BP	General Charcoal Blister Pack

GENERAL CHARCOAL WHITE

The ideal compliment for charcoal, this is a special white medium that can be worked over charcoal areas. It is also used on white paper for a brilliant whites, creates amazingly clear photos or photostats, and can be erased clean. For special effects, it can be washed with water and a brush, and fixes without running. 12 per sleeve.

GP-0558	General Charcoal White

PAPER WRAPPED CHAR.

This pencil is not wood cased, but with paper wound around the charcoal with a pull string that cuts one small band at a time instead of sharpening. This pencil, by G, has a large diameter lead that is very black. 12 per box.

GP-5631T	Paper Wrapped Charcoal	Hard
GP-5632T	Paper Wrapped Charcoal	Medium
GP-5633T	Paper Wrapped Charcoal	Soft

SKETCH PENCILS

The term sketching pencil is a general term that will fit almost any pencil. By our definition, they are black or brown tones that tend to be dark , blendable, with a limited range of degrees. The leads may be of many compositions, some of which manufacturers do not disclose.

WOODLESS PENCIL

Almost the reinvention of the pencil as we know it, the woodless pencil the ideal drawing tool. To all appearances a conventional pencil, it is also a lacquer coated solid stick of rich, velvety smooth graphite. Although used like a wood cased pencil, it offers a variety of effects unmatched by other drawing media. l2 per box. By General

GP-0097-HB	Woodless Pencil	HB
GP-0097-4B	Woodless Pencil	4B
GP-0097-6B	Woodless Pencil	6B
GP-0097-8B	Woodless Pencil	8B

DESIGN EBONY

The Ebony pencil delivers satiny smooth, jet black lines for roughs, sketches and pencil illustrations. A round wood case pencil with a black finish. By Faber Castell 12 per sleeve.

EF-6325 Ebony Pencil

555 GENERAL LAYOUT

A standard size round pencil with black graphite lead. Very soft, equal to 6B, an excellent tool for art department, sketching, and general layout work. By General Pencil, 12 per sleeve.

GP-0555 General Layout

FLAT LEAD SKETCHING

Flat lead sketching pencils by General Pencil, have a rectangular lead in and oval wood case. The large flat area of lead allows one to cover large areas quickly. Special effects can also be achieved using edges. 12 per sleeve.

GP-0529-2B	Flat Sketching Pencil	2B
GP-0531-4B	Flat Sketching Pencil	4B
GP-0533-6B	Flat Sketching Pencil	6B

CONTE SKETCH PENCILS

These Conte Drawing Pencils are the same as Conte Crayons, except in pencil form. They feature a large diameter lead in a wood case. Conte products are known for their rich brown tones and the Pierre Ñoir for deep blacks. 12 per box

HU-2269	Pierre Noir Pencil 3B	1710-3B
HU-2270	Pierre Noir Pencil 2B	1710-2B
HU-2271	Pierre Noir Pencil B	1710-B
HU-2272	Pierre Noir Pencil HB	1710-HB
HU-2273	Sanguine	610
HU-2274	Sepia	617
HU-2275	White	630

Peel & Sketch CHARCOAL
EF Eberhard Faber EBONY JET BLACK EXTRA SMOOTH • 6325
GENERAL'S Layout Extra Black • No. 555 USA Since 1889
GENERAL'S Sketching Pencil U.S.A. 529-2B
SEPIA Conte A PARIS FRANCE 617

575 GEN COPYING INDELIBLE

An indelible black pencil for layout, sketching, and type indication. Lavender finish, 12 per sleeve.

GP-0575 General Copying - Indelible

931 GENERAL EXERCISE

An extra large diameter (12/32"), soft thick lead for rough layout or sketching. Banded in Dozens.

GP-0931 General Excercise Pencil

MARKING PENCILS

SKETCH & WASH

Black graphite lead that writes on glass, cellophane, metal, wood, plastics, negatives, etc. Also for water color effects, as the lead is blendable with water. Banded in dozens. By General Pencil. Formerly Scribe All.

GP-0588 Sketch & Wash

CHINA MARKERS

A China Marker, sometimes called a grease pencil, is used to mark on almost any surface, including china, cellophane, metal, glass, etc. A large diameter lead is wrapped in paper, with a pull string for sharpening.

GP-1241	China Marker	Black
GP-1244	China Marker	White
GP-1245	China Marker	Red

SCRIBE ALL- ALL SURFACE

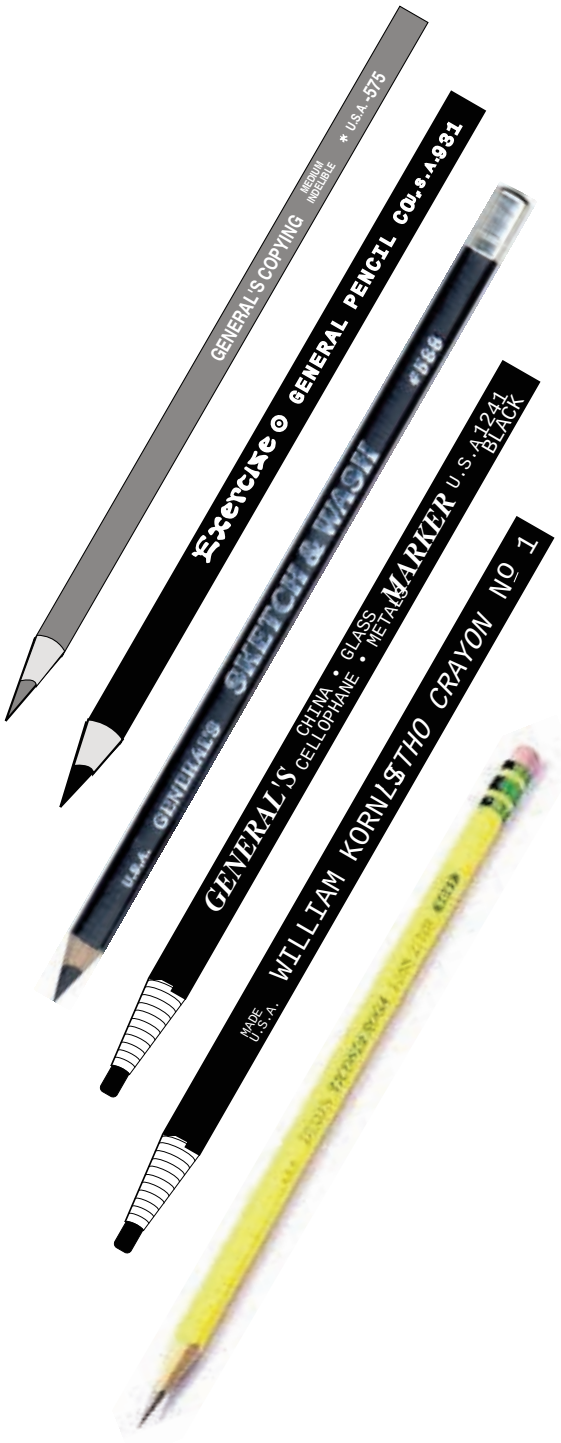
A general purpose marking pencil that is designed to write on almost any surface, including glass, cellophane, plastic film, metal wood, and paper. Available in five colors in a hexagon wood case.

GP-1251	Scribe All	Black
GP-1253	Scribe All	Blue
GP-1254	Scribe All	White
GP-1256	Scribe All	Yellow

KORN'S LITHO PENCILS

Litho crayon in pencil form. This pencil leaves an ink receptive mark on litho stones, plates, and paper. Also used to draw the image on on the fabric to form the image in the toosche and glue method of making a silk screen. Paper wrapped with a pull string for sharpening. In Black only, 12 per box.

KN-100-1	Extra Soft	Korn's Litho Pencil
KN-100-2	Soft	Korn's Litho Pencil
KN-100-3	Medium	Korn's Litho Pencil
KN-100-4	Hard	Korn's Litho Pencil
KN-100-5	Extra Hard	Korn's Litho Pencil


GENERAL'S COPYING
GENERAL PENCIL CO. U.S.A.
SKETCH & WASH
GENERAL'S CHINA • GLASS CELLOPHANE • METAL MARKER
WILLIAM KORN'S THO CRAYON NO 1

WRITING PENCILS

1388 TICODEROGA

The Ticonderoga is one of the best known writing pencils ever made. It has a special lead formula that has been pressure proof bonded for luxurious writing and superior point strength. A hexagon wood case with yellow finish and eraser tip. 12 per pkg.

AC-1388-2	Ticonderoga	Soft
AC-1388-2-1/2	Ticonderoga	Medium

GENERAL DRAWING KITS

#10 DRAWING PENCIL KIT

Contains 2 flat sketch, 3 charcoal, 6B Drawing, 2 layout, and white charcoal pencil, plus 3 graphite sticks. By General Pencil

GP-0010 #10 Drawing Pencil Kit

#20 DRAWING PENCIL KIT

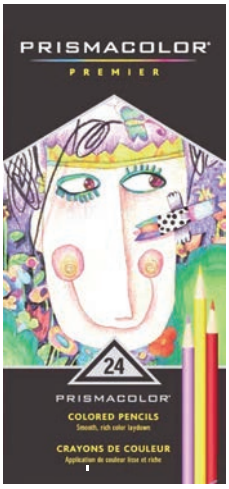
Contains 10 pastel, 5 charcoal, 2 sketch, layout, & drawing pencil, plus kneaded eraser and sharpener. By General Pencil

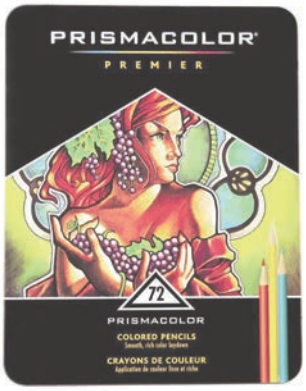
GP-0020 #20 Drawing Pencil Kit

COLORED PENCILS

PRISMACOLOR PENCILS

Prismacolor pencils are known for clear, bright colors of thick lead. Color goes down smoothly from long wearing points. A round pencil with bright, vivid colors that match Prismacolor Markers. By Berol





12 Color Sets

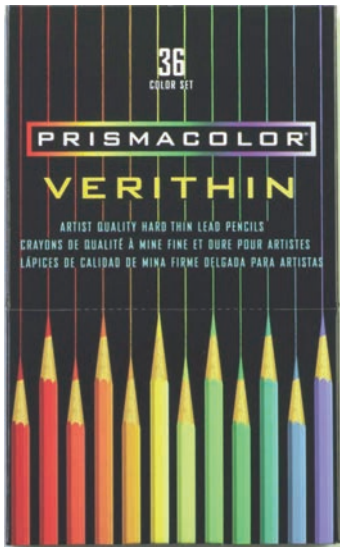
BC-0952 12 Color Set
BC-0953 24 Color Set
BC-0954 36 Color Set
BC-0955 48 Color Set
BC-0972 72 Color Set
BC-1096 96 Color Set

Individual Colors

BC-0901 Indigo Blue
BC-0902 Ultramarine
BC-0903 True Blue
BC-0904 Cerulean Blue
BC-0905 Aquamarine
BC-0906 Copenhagen Blue
BC-0907 Peacock Green
BC-0908 Dark Green
BC-0909 Grass Green
BC-0910 True Green
BC-0911 Olive Green
BC-0912 Apple Green
BC-0913 Spring Green
BC-0914 Cream
BC-0915 Lemon Yellow
BC-0916 Canary Yellow
BC-0917 Sunburst Yellow
BC-0918 Orange
BC-0919 Non-Photo Blue
BC-0920 Light Green
BC-0921 Pale Vermilion
BC-0922 Poppy Red
BC-0923 Scarlet Lake
BC-0924 Crimson Red
BC-0925 Crimson Lake
BC-0926 Carmine Red
BC-0927 Lt. Peach
BC-0928 Blush Pink
BC-0929 Pink
BC-0930 Magenta
BC-0931 Deep Purple
BC-0932 Violet
BC-0933 Violet Blue
BC-0934 Lavender
BC-0935 Black
BC-0936 Slate Gray
BC-0937 Tuscan Red
BC-0938 White
BC-0939 Peach
BC-0940 Sand
BC-0941 Lt. Umber
BC-0942 Yellow Ochre
BC-0943 Burnt Ochre
BC-0944 Terra Cotta
BC-0945 Sienna Brown
BC-0946 Dark Brown
BC-0947 Dark Umber
BC-0948 Sepia
BC-0949 Metallic Silver
BC-0950 Metallic Gold
BC-0956 Lilac
BC-0989 Chartreuse
BC-0992 Lt. Aqua
BC-0993 Hot Pink
BC-0994 Process Red
BC-0995 Mulberry
BC-0996 Black Grape
BC-0997 Beige
BC-1001 Salmon Pink
BC-1002 Yellowed Orange
BC-1003 Spanish Orange
BC-1004 Yellow Chartreuse
BC-1005 Limepeel
BC-1006 Parrot Green
BC-1007 Imperial Violet
BC-1008 Parma Violet
BC-1009 Dahlia Purple
BC-1012 Jasmine
BC-1017 Clay Rose
BC-1018 Pink Rose
BC-1019 Rosy Beige
BC-1020 Celadon Green
BC-1021 Jade Green
BC-1022 Mediterranean Blue
BC-1023 Cloud Blue
BC-1024 Blue Slate
BC-1025 Periwinkle
BC-1026 Greyed Lavender
BC-1027 Peacock Blue
BC-1028 Bronze
BC-1029 Mahogany Red
BC-1030 Raspberry
BC-1031 Henna
BC-1032 Pumpkin Orange
BC-1033 Mineral Orange
BC-1034 Goldenrod
BC-1040 Electric Blue
BC-1050 Warm Grey 10%
BC-1051 Warm Grey 20%
BC-1052 Warm Grey 30%
BC-1054 Warm Grey 50%
BC-1056 Warm Grey 70%
BC-1058 Warm Grey 90%
BC-1059 Cool Grey 10%
BC-1060 Cool Grey 20%
BC-1061 Cool Grey 30%
BC-1063 Cool Grey 50%
BC-1065 Cool Grey 70%
BC-1067 Cool Grey 90%
BC-1068 French Grey 10%
BC-1069 French Grey 20%
BC-1070 French Grey 30%
BC-1072 French Grey 50%
BC-1074 French Grey 70%
BC-1076 French Grey 90%
BC-1077 Colorless Blender
BC-1078 Black Cherry
BC-1079 Blue Violet Lake
BC-1080 Beige Sienna
BC-1081 Chestnut
BC-1082 Chocolate
BC-1083 Putty Beige
BC-1084 Ginger Root
BC-1085 Peach Beige
BC-1086 Sky Blue Light
BC-1087 Powder Blue
BC-1088 Muted Turquoise
BC-1089 Pale Sage
BC-1090 Kelp Green
BC-1091 Green Ochre
BC-1092 Nectar
BC-1093 Seashell Pink
BC-1094 Sandbar Brown
BC-1095 Black Raspberry
BC-1096 Kelly Green
BC-1097 Moss Green
BC-1098 Artichoke
BC-1099 Expresso
BC-1100 China Blue
BC-1101 Denim Blue
BC-1102 Blue Lake
BC-1103 Caribbean Sea

VERITHIN PENCILS

A thin lead colored pencil with brilliant colors that apply smoothly with little tendency to crumble. Verithin pencils have a rounded hexagon shape and are finished in the same color as the lead. All can be sharpened to a fine, long wearing shape.


36
COLOR SET
PRISMACOLOR
VERITHIN
ARTIST QUALITY HARD THIN LEAD PENCILS
CRAYONS DE QUALITÉ À MINE FINE ET DURE POUR ARTISTES
LÁPICES DE CALIDAD DE MINA FIRME DELGADA PARA ARTISTAS

BC-0796	12 Color Set
BC-0731	24 Color Set
BC-0732	36 Color Set

BC-0734	White	BC-0744	Scarlet
BC-0734-1/2	Light Grey	BC-0745	Carmine Red
BC-0735	Canary Yellow	BC-0745-1/2	Terra Cotta
BC-0735-1/2	Lemon Yellow	BC-0746	Sienna Brown
BC-0736	Yellow Ochre	BC-0746-1/2	Tuscan Red
BC-0736-1/2	Orange Ochre	BC-0747	Black
BC-0737	Orange	BC-0747-1/2	Dark Grey
BC-0737-1/2	Sea Green	BC-0748	Red And Blue
BC-0738	Grass Green	BC-0750	Vermilion
BC-0738-1/2	Light Green	BC-0751	Emerald Green
BC-0739	Green	BC-0752	Purple
BC-0739-1/2	Olive Green	BC-0753	Silver
BC-0740	Ultramarine Blue	BC-0754	Gold
BC-0740-1/2	Sky Blue	BC-0755	Golden Brown
BC-0741	Indigo Blue	BC-0756	Dark Brown
BC-0741-1/2	Azure Blue	BC-0757	Flesh
BC-0742	Violet	BC-0758	True Blue
BC-0742-1/2	Lavender	BC-0759	Magenta
BC-0743	Pink	BC-0760	Blue Violet
BC-0743-1/2	Rose	BC-0761-1/2	Non-Photo Blue

PASTEL PENCILS

CONTE' PASTEL PENCILS

Conte' Pastel Pencils are a soft pastel with a wood case. A pastel is a combination of pigment and an aqueous binder. The result is an easily blendable color that is very permanent. In pencil form, pastels can be used for highlighting or detail work. Conte' pastel pencils have exact equivalents in round pastels and square Conte' Crayons listed later in this section.

HU-2181	12 Color Set
HU-2182	24 Color Set
HU-2184	48 Color Set

HU-2101	Bistre	HU-2129	Light Blue
HU-2102	Dark Green	HU-2130	Mineral Green
HU-2103	Red	HU-2131	Red Earth
HU-2104	Yellow	HU-2132	Umber
HU-2105	Violet	HU-2133	Dark Gray
HU-2106	Blue	HU-2134	Emerld Green
HU-2107	Red Brown	HU-2137	Indian Yellow
HU-2108	Light Green	HU-2138	Madder
HU-2109	Black	HU-2139	Garnet Red
HU-2110	Ultra Blue	HU-2140	Red Lead
HU-2111	Pink	HU-2141	Cyclamen
HU-2112	Orange	HU-2142	Sepia
HU-2113	White	HU-2143	Prussian Green
HU-2114	Golden Yellow	HU-2144	St. Michael Green
HU-2116	Olive Green	HU-2146	Dark Ultramarine
HU-2117	Yellow Ochre	HU-2147	Naples Yellow
HU-2118	Natural Sienna	HU-2148	Flesh
HU-2119	Purple	HU-2149	Light Orange
HU-2120	Light Gray	HU-2150	Lime
HU-2121	Blue Green	HU-2151	Gray Green
HU-2122	Prussian Blue	HU-2153	Paynes' Gray
HU-2124	Lemon Yellow	HU-2154	Natural Umber
HU-2126	Lilac	HU-2155	Persian Violet
HU-2128	Scarlet	HU-2156	Sky Blue

WATER COLOR PENCILS

KARAT AQUARELL COLORED PENCILS

These colored pencils have brilliant, intense colors. All 60 colors allow you to draw with smooth, even color application, on rough or fine-toothed papers. With a brush and water, these colors can become soft washes, deep shadows, or solid areas of color. In tin boxes.

MR-124A-M06	66 Color Water Color Pencil Set
MR-124A-M12	12 Color Water Color Pencil Set
MR-124A-M24	24 Color Water Color Pencil Set
MR-124A-M36	36 Color Water Color Pencil Set
MR-124A-M48	48 Color Water Color Pencil Set
MR-124A-M60	60 Color Water Color Pencil Set

MR-124A-000	White	MR-124A-043	Flesh
MR-124A-001	Yellow	MR-124A-049	Fawn
MR-124A-002	Red	MR-124A-050	Light Green
MR-124A-003	Blue	MR-124A-052	Sap Green
MR-124A-004	Orange	MR-124A-053	Lime Green
MR-124A-005	Green	MR-124A-054	French Green
MR-124A-006	Violet	MR-124A-055	Green Earth
MR-124A-008	Gray	MR-124A-056	Light Olive
MR-124A-009	Black	MR-124A-057	Olive Green
MR-124A-010	Light Yellow	MR-124A-061	Dark Mauve
MR-124A-011	Sandy Yel.	MR-124A-062	Lavender
MR-124A-012	Lemon	MR-124A-063	Delft Blue
MR-124A-016	Gold Ochre	MR-124A-072	Dark Sand
MR-124A-017	Light Ochre	MR-124A-073	Burnt Sienna
MR-124A-019	Dark Ochre	MR-124A-076	Van Dyke Brown
MR-124A-020	Magenta	MR-124A-077	Warm Sepia
MR-124A-021	Lit Carmine	MR-124A-080	Light Gray
MR-124A-023	Bordeaux	MR-124A-083	Dove Gray
MR-124A-024	Scarlet	MR-124A-085	Warm Gray
MR-124A-025	Lit Vermilion	MR-124A-110	Bright Yellow
MR-124A-029	Carmine	MR-124A-222	Salmon
MR-124A-030	Light Blue	MR-124A-260	Tuscan Red
MR-124A-031	Glacier Blue	MR-124A-302	Pastel Blue
MR-124A-033	Cobalt Blue	MR-124A-330	Powder Blue
MR-124A-035	Turquoise	MR-124A-550	Pale Green
MR-124A-036	Indigo Blue	MR-124A-602	Pastel Violet
MR-124A-037	Prussian Blu	MR-124A-703	Rose Wood
MR-124A-038	Sea Green	MR-124A-800	Cool Gray
MR-124A-042	Light	MR-124A-805	Warm Gray
		MR-124A-890	Cool Gray 13

GENERAL WATER SOLUABLE PENCILS

The General Pencil Water Color Pencil is like any other colored pencil when dry, and can be used for all drawing and sketching, but the application of water will completely dissolve them. This allows a water color look from a pencil drawing. Available in sets only, in hex. wood case.

GP-0700-08A	88 Color Set
GP-0700-12A	12 Color Set
GP-0700-24A	24 Color Set

588 SKETCH & WASH

Black graphite lead for water color effects, as the lead is blendable with water. Set of Two with sharpener, carded.

GP-0588-BP	Sketch & Wash

MISC COLORED PENCILS

PRANG PENCIL SET

An all time favorite, the Prang set is ideal for the student, professional, or child ready for more than crayons. Full size 7" round wood pencils.

AC-2212	Prang 12 Color Set
AC-2224	Prang 24 Color Set

NON-PHOTO BLUE PENCILS

A non-reproducing pencil made with a special light blue colored lead that most reproduction equipment can not see. This is because Ortho type camera film is blind to blue, the longer the exposure, the less blue can be seen. This makes these pencils ideal for notes, paste up guides, etc. When they are photographed, they won't be seen.

GP-1825	General Pencil	Thin Lead
AW-1298	Col-Erase	Thin Lead

2mm LEAD HOLDERS

2mm lead holders are designed the 2mm leads shown earlier in this section. There are many different features available. Please check the features that you desire.

5611 KOH-I-NOOR

The Koh-I-Noor Technigraph has been one of the best selling lead holders for many years. It is all metal, lightweight, perfectly balanced, and takes a wide variety of leads. The Adapto-Clutch is non-slip, and non-turn. The barrel is red with a knurled grip and polished nose piece. 24 per box

K-5611	Koh-I-Noor	Technigaph Holder

788-C MARS ECONOMY

A high quality holder with the same clutch that is in premium Mars holders, with a plastic body. It also features a pocket clip. 20 per box

MR-788-C	Mars	Economy	Holder

48 KOH-I-NOOR OVERSIZE

A universal holder for oversize leads and eraser plugs up to .22" x 4-3/4" in size. Comes with a push button release and a red hexagonal plastic barrel with knurled grip. 12 per box

K-0048	Koh-I-Noor	Oversize Holder

FINE LINE HOLDERS

KOH-I-NOOR MEPHISTO

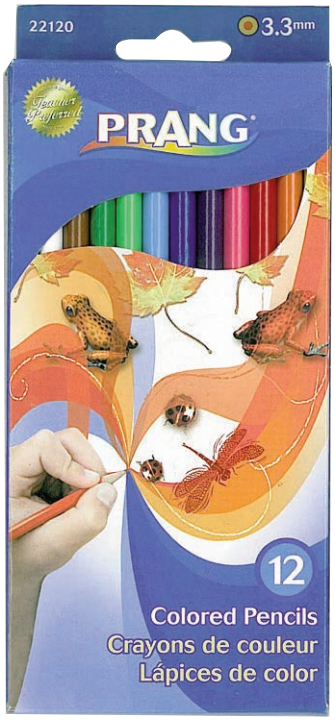
The professionals ultimate choice for drafting with many features including: non-slip grip, metal push button advance with replaceable eraser, and a 4mm tube.

K-5035BC-5	0.5mm Mephisto Mechanical Pencil
K-5035BC-7	0.7mm Mephisto Mechanical Pencil

925 MARS PENCIL

Features a rubberized grip with knurled grip and pocket clip. Has ISO color coding and lead indicator for .5mm lead diameter. By Staedler Mars.

MR-0925-05WBK	Mars 0.5 Pencil



Northwest Graphic Supply Co.
4200 East Lake St. • Minneapolis, MN 55406
nwgraphic.com

ERASERS

KNEADABLE ERASERS

A soft pliable, block shaped eraser that is excellent for the removal and highlighting of charcoal, pastels, chalks, etc. Can be kneaded into any shape and removes marks cleanly, leaving the surface smooth and bright.

DESIGN (FORMERLY EBERHARD FABER)

SA-70530	#1222 Medium Size	24 Per Box
SA-70531	#1224 Large Size	12 per box
SA-70532	#1225 Ex. Large Size	12 per box

PRANG KNEADABLE ERASER

AC-12222	Medium 1-1/8 x 3/4 x 3/8”	24 per box
AC-12244	Large Size 1-3/4x1-1/4x3/8”	12 per box

GENERAL JUMBO KNEADED ERASER

GP-0140-EBP	General Jumbo	12 per box

ARTGUM ERASERS

Artgum erasers dry, clean, and erase with a unique formula of crepe rubber and factice oil. Abrasion created fine powder that cleans deep. For cleaning paper, erasing pencil marks, etc. Will not damage the paper surface. Koh-I-Noor artgum erasers are made with a no crumble formula.

DESIGN ARTGUM

SA-73028	#100 1" x 1" x 7/8"	24 per box
SA-73030	#211 2" x 1" x 7/8"	12 per box

VINYL/PLASTIC ERASERS

These vinyl-plastic erasers do not contain abrasives, and can not harm the drawing surface. They are also self cleaning and will not become brittle or harden with age. For use on paper, tracing cloth, tracing paper, drafting film, and other delicate surfaces. Mainly for removing pencil, but also remove ink from film when combined with liquid eraser.

KOH-I-NOOR
RAPIDOGRAPH
KOH-I-LAR ERASER STRIPS
SOFT WHITE VINYL ERASERS 1/4" X 7"
Designed to fit most electric erasers.
10 each 287
Made in U.S.A.
Note: A worn collar may cause eraser slippage

KOH-I-NOOR

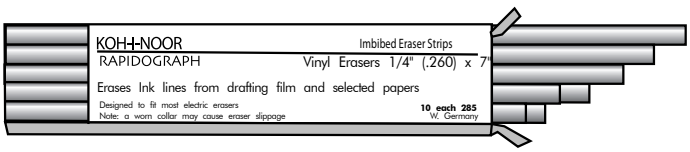
K-0287	Electric Eraser Refill	10 per box

MARS

MR-526-50	Square Edge Eraser	20 per box

VINYL-IMBIBED ERASERS

These are vinyl/plastic erasers, similar to those shown above, except that they are saturated with erasing fluid. This eliminates the need for separate liquid eraser. Ideal for use on drafting film and many non-porous papers and boards.


KOH-I-NOOR
RAPIDOGRAPH
Imbibed Eraser Strips
Vinyl Erasers 1/4" (.260) x 7"
Erases Ink lines from drafting film and selected papers
Designed to fit most electric erasers
Note: a worn collar may cause eraser slippage
10 each 285
W. Germany

KOH-I-NOOR

K-0285	Electric Eraser Refill	10 per box

MARS COMBI

Combination of soft viny and impibed vinyl.

MR-526-508	Square Edge Erase	20 per box

SOFT ERASERS

Soft, pliable erasers that give exceptional, smudge free erasing every time. Primarily for pencil erasing. By Faber Castell

AC 38910	Pink Carnation	12 per box
EF-101	Pink Pearl Beveled	12 per box

KOH-I-LAR LIQUID ERASER

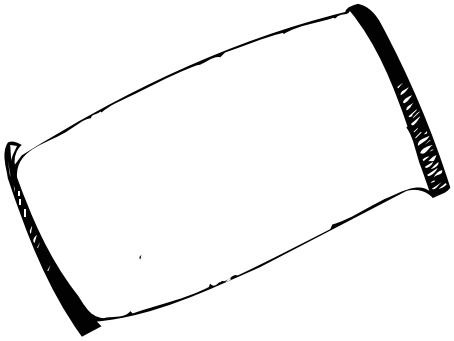
This is a liquid that is applied to a vinyl/plastic eraser or machine refill, then used to remove ink from drafting film or some non-porous papers and boards. They erase cleanly without marring film surfaces. Film can be reworked immediately. Especially effective for removing aged ink lines, and for the erasure of large areas. By Koh-I-Noor

K-0291F	3/4 oz. Squeeze Bottle	12 per box

DRY CLEANING PAD

A pillow shaped pads that contain a grit free powder that absorbs dirt. Eliminates the need for clean up erasing. Recommended for paper, film, or cloth. By Koh-I-Noor

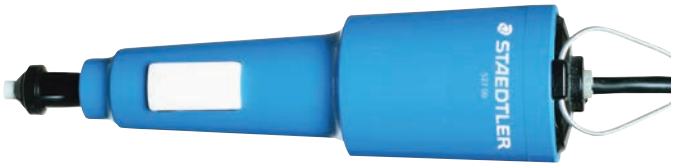
K-25914	Dry Cleaning Pad	12 per box



ELECTRIC ERASER

An electric eraser that operates on 115 volt current and is protected by an impact resistant blue lexan case. Holds any of the 7" eraser refills that were listed before. Ideal for artists or draftsmen. By Staedler

MR-527-00	Mars Electric Eraser



CORDLESS/RECHARGEABLE
ELECTRIC ERASER

A trouble free motor that delivers 4500 r.p.m.fully charged. Features two way operation, cordless or A.C. This lightweight unit has a Lexan case and a long lasting rechargeable battery. Complete with charging stand, power pack and a vinyl strip eraser. By Staedler.

MR-527-01	Mars Cordless Electric Eraser

PENCIL SHARPENERS

Standard pencil sharpeners designed to sharpen wood case pencils.

1800 BOSTON ELECTRIC

A trimly styled, rectangular shaped electric sharpener. Sharpens pencils with case hardened steel cutters. Overall size is 3-1/2 x 8-1/8 x 4"

HU-1800 Hunt Boston Electric Sharpener

DAHLE PROF SHARPENER

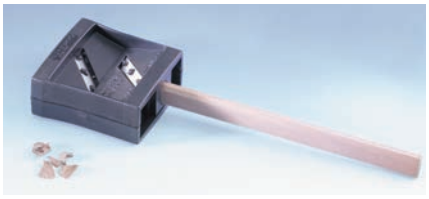
A pencil sharpener that features an adjustable clutch that holds from 1/4" to 1/2" diameter pencils. The automatic cutting system sharpens evenly and prevents over sharpening. Comes with adjustable clamp for mounting on a desk or drawing table, but is not necessary for use.

DH-155 Dahle Professional Sharpener.

GENERAL FLAT

Creates a broad chisel point on flat lead sketching and oval pencils. Also works well on charcoal, graphite, etc. A truely unique instrument for the artist.

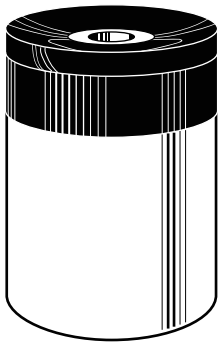
GP-6000 General Flat Lead Pencil Sharpener



MARS HAND SHARPENER

A small canister style pencil sharpener. The pencil is turned in the hole, and the shavings drop into the bottom of the canister. Ten sharpeners per display carton.

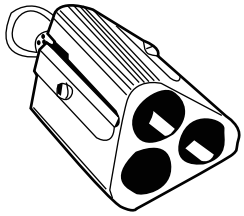
MR-511-63 Mars Pencil Sharpener



KOH-I-NOOR 3 HOLE

An all metal three hole hand sharpener. One hole for large diameter pencils, one for standard diameter pencils, and the third for fine pointing of the lead. 12 per box.

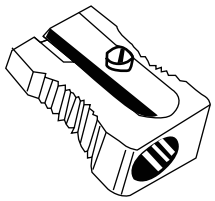
K-0983 Three Hole Pencil Sharpener



GENERAL 2 HOLE

An all metal two hole hand pencil sharpener. One hole for large diameter pencils, and the other for standard diameter pencils. 12 per box.

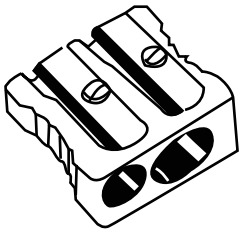
GP-2010-BP Two Hole Pencil Sharpener



GENERAL 1 HOLE

An all metal one hole hand pencil sharpener. Cuts the wood and sharpens the point in one operation. 12 per box

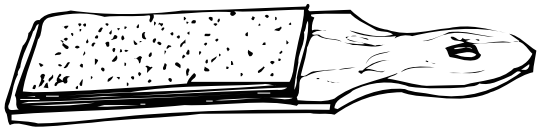
GP-1050-BP One Hole Pencil Sharpener



SANDPAPER BLOCKS

A handy pad of medium tooth sandpaper attached to a wooden holder. For pointing pencils, charcoal, pastels, stumps, and tortillions. 12 per box.

K-25916 Sandpaper Pointer Pad



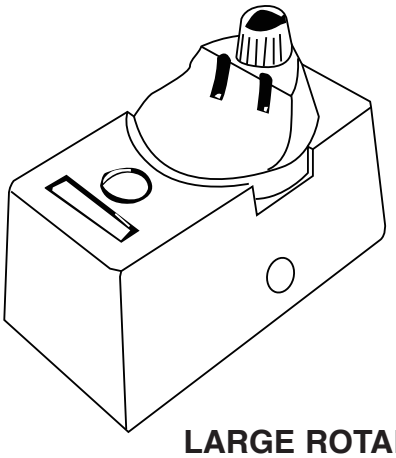
LEAD POINTERS

Lead pointers are designed to sharpen 2mm leads only, they will not accept pencils. Please check specific features for each model. Some are portable, others fix to your table, some have depth guides for different points, and some have point cleaners.

LARGE ROTARY POINTER

A fine lead pointer for all types of lead. Designed to be mounted to a drawing board with the included clamp. It has a handy cleaning and adaptor collars for most lead holders. Uses steel cutting blades.

AL-EP17 Desktop Lead Pointer



LARGE ROTARY

DAHLE ROTARY

A small hand held pointer with a wear resistant cutter. Has a measuring guide for points and a cleaning pad.

DH-301 Dahle Rotary Pointer

DAHLE ROTARY

STAEDLER MARS ROTARY

Hand held rotary lead pointer for 2mm lead holders. Two holes for different lead sizes. Features an automatic cutting stop and built in cleaner. Two spare cleaning pads included.

MR-502BK Mars Rotary Pointer

MARS ROTARY

233 POINTER

A very small plastic pointer with a steel blade. Completely open with no dust collector. By Koh-I-Noor

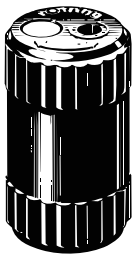
K-0233 Koh-I-Noor Pointer

233

DAHLE PERSONAL POINTER

This pointer has steel blades for a very sharp point. Large capacity shavings container, for graphite or colored leads.

DH-53484 Dahle Personal Pointer



DAHLE PERSONAL

CHARCOAL

Charcoal is one of the oldest mediums known to man. As the name implies, it is charred wood that has been prepared in several ways. By itself, charcoal has no binder, and must be fixed to avoid smudging.

V2 VINE CHARCOAL

Vine charcoal is very soft for black effects. Made from charred vine branches, sticks are 1/8" x 6", and round. By Sanford, 25 sticks per box.

G-V002	Vine Charcoal	Extra Soft

V9 JUMBO CHARCOAL

This is an extra thick charcoal, 1/2" in diameter and 6" long. Ideal for large sketching, filling in backgrounds, etc. There are 25 sticks per box in medium degree, by Sanford.

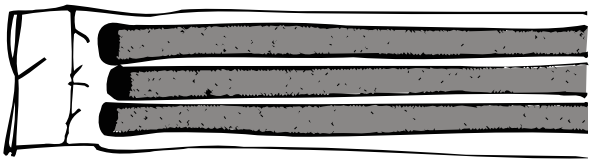
G-V009	Jumbo Charcoal	Medium

6A & 17 ROUND CHARCOAL

A regular round shaped charcoal that is 1/4" x 6" long. For all types of sketching, in two package counts, medium degree, by Sanford.

G-V006A	Regular Charcoal	Medium box 5
G-V017	Regular Charcoal	Medium box 50

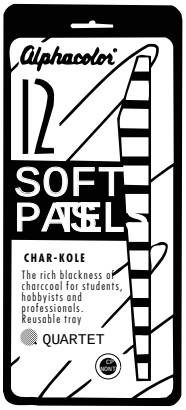
3 WRAP CHARCOAL



Selected charcoal available in three degrees that are packed 24 sticks per box in eight cellophane envelopes of three sticks each. This helps keep the sticks dry and also helps prevent breakage. Sticks are 3/16" x 6" long, and round in shape. By Sanford.

G-V041	3 Wrap Charcoal	Soft
G-V042	3 Wrap Charcoal	Medium
G-V043	3 Wrap Charcoal	Hard

CHAR-KOLE



A very black, smooth compressed stick that is easily blended . Ideal for fine crisp lines. Sticks are 7/16" x 2-3/4" long, and rectangular in shape. Twelve sticks per box, in a plastic tray. By Weber Costello

LC-0883	Charcoal Sticks	

COMPRESSED CHARCOAL

FABER CASTELL PITT Compressed Charcoal

This is a stick made from powdered charcoal pressed with a binder. These sticks are stronger that regular charcoal, but more difficult to remove. Sticks are about 1/4" in diameter by 3" long. Available in four degrees, in boxes of 4

FC-129906	Extra Soft
FC-129903	Soft
FC-129900	Medium
FC-129913	Hard
FC-129916	Extra Hard

GENERAL PENCIL Compressed Charcoal

This is a stick made from powdered charcoal pressed with a binder. These sticks are stronger that regular charcoal, but more difficult to remove. Sticks are about 1/4" Square by 3" long. Available in 3 degrees, in boxes of a dozen.

GP-0957H	Hard
GP-0957M	Medium
GP-0957S	Soft
GP-0958	White
GP-0957A-BP	4 Asst Card
GP-0958-BP	4 White Card

CHARCOAL CHUNK

A large chunk of charcoal that can be broken off, chipped, shaped, etc to create a unique drawing instrument.

GP-0967	Charcoal Chunk	By General

GRAPHITE

GENERAL GRAPHITE

A 1/4" x 3" stick of solid Graphite for lay-outs and sketching. Ideal for combinations with pencil sketches. 12 per box. by General.

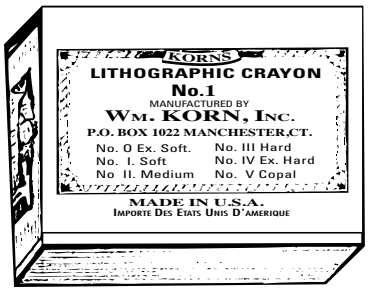
GP-0972	2B Graphite Sticks
GP-0974	4B Graphite Sticks
GP-0976	6B Graphite Sticks
GP-0970A-BP	Asst Card

GRAPHITE CHUNK

A large chunk of graphite that can be broken off, chipped, shaped, etc to create a unique drawing instrument.

GP-0987	Charcoal Chunk	By General

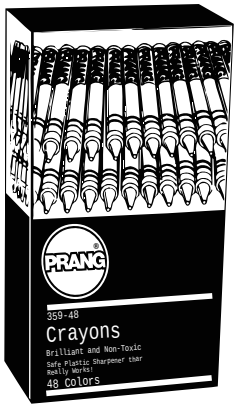
CRAYONS



KORNS' LITHO CRAYONS

A crayon that leaves an ink receptive mark on litho stones, plates, and paper. Also used for drawing on fabric to form the image in the touche and glue method of making a screen printing plate. Small sticks are about 3/16" x 1-1/2", twelve per box.

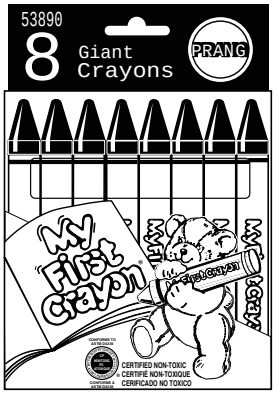
KN-200-00	Extra Soft
KN-200-0	Very Soft
KN-200-1	Soft
KN-200-2	Medium
KN-200-3	Medium Hard
KN-200-4	Hard
KN-200-5	Copal Extra Hard



PRANG CRAYONS

Prang crayons are noted for brilliant color and clean , even application of true colors. Ideal for children's art, and some fine art purposes. Round 3/16" x 3-5/8".

AC-38008	8 Color Set
AC-41618	16 Color Set
AC-322-24	24 Color Set
AC-359-48	48 Color Set
AC-640-64	64 Color Set
AC-966	96 Color Set



PRANG LARGE CRAYON

Prang's oversize crayon for children 3 or older or anyone having difficulty gripping a smaller crayon. Ideal for children's art, and some fine art purposes. Round 4" x 7/16".

AC-52808	Prang Large Crayon

WATERCOLOR CRAYONS

KARAT AQUARELL WATER-SOLUBLE CRAYONS

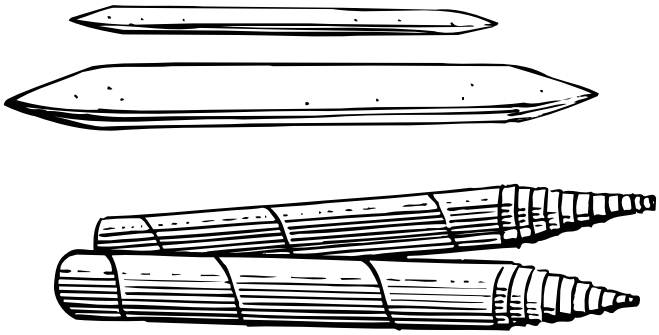
These colored crayons have brilliant, intense colors. All 24 colors allow you to draw with smooth, even color application, on rough or fine-toothed papers. With a brush and water, these colors can become soft washes, deep shadows, or solid areas of color. In tin boxes.

MR-223-M10	10 Color Water Color Crayon Set
MR-223-M20	20 Color Water Color Crayon Set

BLENDERS

STUMPS

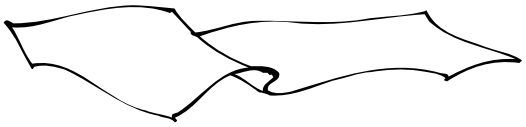
Soft gray paper that is pointed on both ends for blending pastels and charcoal. Stumps may be kept pointed easily with a sandpaper block. In hanging packages of 2 each



LC-8941B	Size #1 1/8” Diameter	Pkg 2
LC-8942B	Size #2 3/16” Diameter	Pkg 2
LC-8943B	Size #3 1/4” Diameter	Pkg 2
LC-8944B	Size #4 5/16” Diameter	Pkg 2
LC-8945B	Size #5 3/8” Diameter	Pkg 2
LC-8946B	Size #6 7/16” Diameter	Pkg 2
LC-8948B	Size #8 5/8” Diameter	Pkg 2

TORTILLIONS

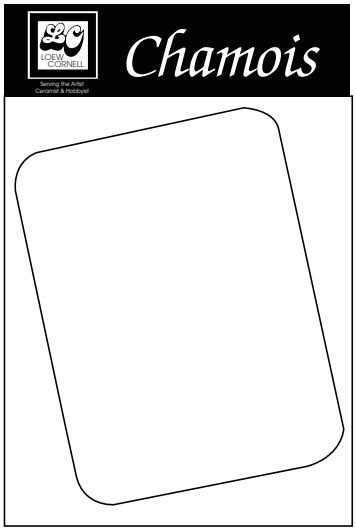
Soft Gray paper that is spiral wound and pointed at one end. Tight winding permits sharpening on a sandpaper block.



LC-0860SB	Size #1 3/16” Diameter	Pkg 6
LC-0860MB	Size #2 1/4” Diameter	Pkg 6
LC-0860LB	Size #3 5/16” Diameter	Pkg 4

CHAMOIS

Imported, finest quality selected chamois skins for artists use. Chamois are soft and pliable. Ideal for blending pastels or charcoals. Bagged in sealed polyethylene bags. By Grumbacher



LC-0501	5 x 6-3/4"	1 per bag

DALER ROWNEY - SOFT PASTELS

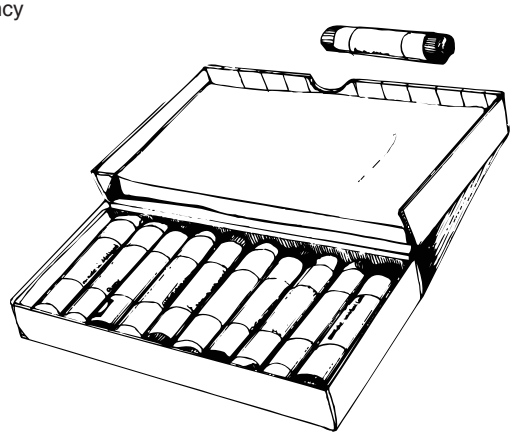
Dahler-Rowney are acknowledged masters in the art of making quality soft pastels. The classic soft pastel is characterised by a velvety smoothness obtained from preparations of pure pigment and extender They are unsurpassed in consistency and handling. Available in open stock and sets.

Card Box Sets

DR-150-900-120	12 Landscape
DR-150-900-121	12 Portrait
DR-150-900-123	12 Assorted
DR-150-900-240	24 Assorted
DR-150-900-243	24 Assorted - Half Size Sticks
DR-150-900-360	36Assorted
DR-150-900-361	36 Landscape
DR-150-900-362	36 Portrait

Wood Box Sets

DR-150-900-721	72 Landscape
DR-150-900-722	72 Portrait
DR-150-900-723	72 Assorted
DR-150-900-144	144 Assorted



NUMBER	#	COLOR
DR-150-000-015	015	SilverWhite (Blue)
DR-150-000-016	016	White (Cream)
DR-150-001-620	620	Cad Yellow Hue
DR-150-004-620	620	"
DR-150-006-620	620	"
DR-150-001-619	619	Cad Orange Hue
DR-150-004-619	619	"
DR-150-006-619	619	"
DR-150-001-512	512	Cad Red Orange
DR-150-003-512	512	"
DR-150-000-651	651	Lemon Yellow
DR-150-002-651	651	"
DR-150-004-651	651	"
DR-150-006-651	651	"
DR-150-000-634	634	Naples Yellow
DR-150-002-634	634	"
DR-150-004-634	634	"
DR-150-006-634	634	"
DR-150-001-667	667	Raw Sienna
DR-150-004-667	667	"
DR-150-006-667	667	"
DR-150-000-663	663	Yellow Ochre
DR-150-002-663	663	"
DR-150-004-663	663	"
DR-150-006-663	663	"
DR-150-001-503	503	Cad Red Hue
DR-150-002-503	503	"
DR-150-004-503	503	"
DR-150-006-503	503	"
DR-150-001-516	516	Cad Tangerine
DR-150-002-516	516	"
DR-150-004-516	516	"
DR-150-006-516	516	"
DR-150-001-514	514	Crimson Lake
DR-150-002-514	514	"
DR-150-004-514	514	"
DR-150-006-514	514	"
DR-150-000-523	523	Indian Red
DR-150-002-523	523	"
DR-150-004-523	523	"
DR-150-006-523	523	"
DR-150-001-539	539	Poppy Red
DR-150-003-539	539	"
DR-150-006-539	539	"
DR-150-008-539	539	"
DR-150-000-551	551	Red Gray
DR-150-002-551	551	"
DR-150-004-551	551	"
DR-150-006-551	551	"
DR-150-000-562	562	Rose Madder
DR-150-002-562	562	"
DR-150-004-562	562	"
DR-150-006-562	562	"
DR-150-000-588	588	Vermilion Hue
DR-150-002-588	588	"
DR-150-004-588	588	"
DR-150-006-588	588	"
DR-150-000-104	104	Blue Gray
DR-150-002-104	104	"
DR-150-004-104	104	"
DR-150-006-104	104	"
DR-150-000-109	109	Cobalt Blue
DR-150-002-109	109	"
DR-150-004-109	109	"
DR-150-006-109	109	"

NUMBER	#	COLOR
DR-150-000-111	111	Coeruleum Blue
DR-150-002-111	111	"
DR-150-004-111	111	"
DR-150-006-111	111	"
DR-150-008-111	111	"
DR-150-000-123	123	French Ultramarine
DR-150-001-123	123	"
DR-150-003-123	123	"
DR-150-004-123	123	"
DR-150-006-123	123	"
DR-150-008-123	123	"
DR-150-001-127	127	Indigo
DR-150-003-127	127	"
DR-150-004-127	127	"
DR-150-006-127	127	"
DR-150-001-135	135	Prussian Blue
DR-150-003-135	135	"
DR-150-005-135	135	"
DR-150-008-135	135	"
DR-150-001-413	413	Mauve
DR-150-002-413	413	"
DR-150-003-413	413	"
DR-150-005-413	413	"
DR-150-006-413	413	"
DR-150-001-425	425	Pansy Violet
DR-150-003-425	425	"
DR-150-005-425	425	"
DR-150-007-425	425	"
DR-150-008-425	425	"
DR-150-000-433	433	Purple
DR-150-002-433	433	"
DR-150-004-433	433	"
DR-150-006-433	433	"
DR-150-008-433	433	"
DR-150-000-435	435	Purple Gray
DR-150-002-435	435	"
DR-150-004-435	435	"
DR-150-006-435	435	"
DR-150-001-443	443	Reddish Purple
DR-150-003-443	443	"
DR-150-006-443	443	"
DR-150-001-307	307	Blue Green
DR-150-005-307	307	"
DR-150-008-307	307	"
DR-150-001-309	309	Brilliant Green
DR-150-003-309	309	"
DR-150-005-309	309	"
DR-150-006-309	309	"
DR-150-001-343	343	Grass Green
DR-150-004-343	343	"
DR-150-006-343	343	"
DR-150-001-345	345	Green Gray
DR-150-004-345	345	"
DR-150-006-345	345	"
DR-150-001-352	352	Hooker's Green
DR-150-003-352	352	"
DR-150-005-352	352	"
DR-150-008-352	352	"
DR-150-001-357	357	Lizard Green
DR-150-003-357	357	"
DR-150-005-357	357	"
DR-150-007-357	357	"
DR-150-008-357	357	"
DR-150-000-363	363	Olive Green
DR-150-002-363	363	"

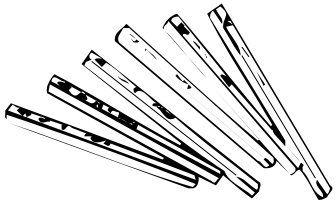
NUMBER	#	COLOR
DR-150-004-363	363	"
DR-150-007-363	363	"
DR-150-008-363	363	"
DR-150-001-375	375	Sap Green
DR-150-003-375	375	"
DR-150-005-375	375	"
DR-150-008-375	375	"
DR-150-001-379	379	Terre Verte Hue
DR-150-005-379	379	"
DR-150-008-379	379	"
DR-150-001-381	381	Viridian
DR-150-004-381	381	"
DR-150-006-381	381	"
DR-150-001-383	383	Yellow Green
DR-150-003-383	383	"
DR-150-005-383	383	"
DR-150-001-201	201	Autumn Brown
DR-150-003-201	201	"
DR-150-005-201	201	"
DR-150-008-201	201	"
DR-150-000-221	221	Burnt Sienna
DR-150-002-221	221	"
DR-150-004-221	221	"
DR-150-006-221	221	"
DR-150-008-221	221	"
DR-150-001-223	223	Burnt Umber
DR-150-002-223	223	"
DR-150-003-223	223	"
DR-150-004-223	223	"
DR-150-006-223	223	"
DR-150-008-223	223	"
DR-150-001-053	053	Cool Gray
DR-150-002-053	053	"
DR-150-004-053	053	"
DR-150-005-053	053	"
DR-150-006-053	053	"
DR-150-000-207	207	Madder Brown
DR-150-002-207	207	"
DR-150-004-207	207	"
DR-150-006-207	207	"
DR-150-001-245	245	Purple Brown
DR-150-004-245	245	"
DR-150-006-245	245	"
DR-150-001-247	247	Raw Umber
DR-150-003-247	247	"
DR-150-004-247	247	"
DR-150-006-247	247	"
DR-150-001-251	251	Sepia
DR-150-003-251	251	"
DR-150-005-251	251	"
DR-150-008-251	251	"
DR-150-001-264	264	Vandyke Brown
DR-150-002-264	264	"
DR-150-004-264	264	"
DR-150-006-264	264	"
DR-150-008-264	264	"
DR-150-001-073	073	Warm Gray
DR-150-003-073	073	"
DR-150-004-073	073	"
DR-150-005-073	073	"
DR-150-000-031	031	Intense Black
DR-150-000-034	034	Ivory Black
DR-150-000-035	035	Lamp Black

ALL PASTELS PACKED 3PER BOX

Northwest Graphic Supply Co.
4200 East Lake St. • Minneapolis, MN 55406
nwgraphic.com

HARD PASTELS

Semi soft pastels are similar to soft pastels in that they are made from artists pigments mixed with non-abrasive type binder. The formulation is changed to form a harder stick. This makes them less likely to break, crumble or dust. It also makes them less blendable. They are also very useful for highlighting, and detail work.



CONTE CRAYONS

Conte crayons are made from pigment in square stick form. Crayons are harder than pastels, and have more adhesive quality. They are also more waxy with less tendency to dust. Ideal for both fine and commercial work. They are available in two packages, a box of twelve, and on a blister card of two. 3/16" x 3" sticks.

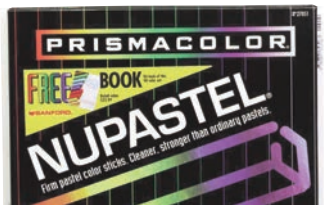
CARD OF 2

HU-2350	Sanguine Natural
HU-2351	Sanguine XVIII Century
HU-2352	Sanguine Watteau
HU-2353	Sanguine Medicis
HU-2354	Bistre (Sepia)
HU-2355	White Very Soft
HU-2356	White Soft
HU-2357	White Medium
HU-2358	Grey
HU-2359	Black Very Soft
HU-2360	Black Soft
HU-2361	Black Medium

NUPASTELS

Nupastels provide a full range of 96 colors in a firm stick that resists crumbling and dusting. So firm that they can actually be sharpened to a point. Sticks are square in shape and about 3-5/8" in length.

EF-263-12	12 Color Set	Nupastels
EF-264-24	24 Color Set	Nupastels
EF-273-36	36 Color Set	Nupastels
EF-274-48	48 Color Set	Nupastels
EF-284-60	60 Color Set	Nupastels
EF-294-72	72 Color Set	Nupastels
EF-434-96	96 Color Set	Nupastels



LOEW CORNELL PASTELS

These pastels are chalk like pastels in vibrant colors that make bright pictures on paper or cloth. Ideal for murals. Sticks are square in shape and about 7/16 x 2-3/4" in size. They are very economical and ideal for student use.

LC-0884	12 Color Set	
LC-0885	24 Color Set	
LC-0886	48 Color Set	
LC-0881	12 Color Set	Earth Tones
LC-0882	12 Color set	Hi Fi Grays
LC-0887	24 Color Set	Landscape
LC-0888	24 Color Set	Portrait

OIL PASTELS

Oil pastels are made from pure artist pigments combined with an oil binder. They can be used dry, or reduced with any solvent used for traditional oil paints. Adhesion is very good to almost any surface and they are smudge resistant after drying. Oil Pastels are generally smaller than soft pastels.

LEOW-CORNELL OIL PASTELS

These oil pastels are exceptionally bright and clear, and apply to paper with a smoothness and eveness with no chalking or dusting. Colors are used as either pastels, or oil colors without the mess.

LC-0912	24 Color Set
LC-0924	24 Color Set
LC-0925	36 Color Set
LC-0926	50 Color Set (2 Whites)
LC-0927	60 Color Set (2 Whites)

FIXATIVE

A fixative is a colorless liquid that is applied to drawings and pastel paintings to "set" the medium. This prevents smudging and dusting. Fixatives are available in two forms: aerosol cans and bottles of liquid which is applied through an atomizer.

WORKABLE FIXATIVE

A matte finish coating specially formulated for pastels, charcoal, pencil, etc. Sprayed lightly, workable fixative holds media in place for additional working without smearing or turning pastels "muddy".Also permits paint or ink to be applied over dry media. Can be easily erased. In aerosol form.

GRUMBACHER MYSTON

G-0646	4-3/4 oz.	Grumbacher Myston
G-0546	12-3/4 oz.	Grumbacher Myston

KRYLON WORKABLE FIXATIVE

KR-1306	11 oz.	Krylon Workable Fixatif

CLEAR ACRYLIC SPRAY

A clear acrylic varnish-fixative that protects charcoal and pastel drawings, printed matter, proofs, blueprints, and photographs from dust, dirt, and moisture. These sprays are colorless, transparent, rapid drying, and will not change the hue of colors, or stain papers. This type of spray dries to a high gloss and is NOT WORKABLE! In aerosol can only.

GRUMBACHER TUFFILM GLOSS

G-0543	12-3/4 oz.	Grumbacher Tuffilm Gloss

KRYLON CRYSTAL CLEAR

KR-1303	13 oz.	Krylon Crystal Clear

MATTE ACRYLIC SPRAY

A clear acrylic varnish with a matte finish that protects charcoal and pastel drawings, printed matter, proofs, blueprints, and photographs from dust, dirt, or moisture. These sprays are colorless, transparent, rapid drying, and will not change the hue of colors, or stain papers. This type of spray dries to a dull matte and is NOT WORKABLE!

GRUMBACHER TUFFILM MATTE

G-0649	4-/34 oz.	Grumbacher Tuffilm Matte
G-0549	12-3/4 oz.	Grumbacher Tuffilm Matte

KRYLON CRYSTAL CLEAR

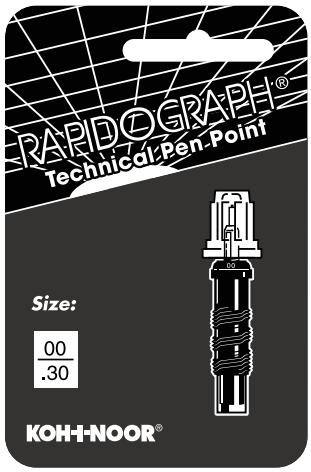
KR-1311	13 oz.	Krylon Matte Finish

PEN & INK

TECHNICAL PENS
FOUNTAIN PENS
CALLIGRAPHY PENS
SKETCH PENS
DIP PENS
PEN HOLDERS
PEN SETS
DRAWING INK
FOUNTAIN PEN INKS
SPECIALTY INKS
PEN CLEANERS
GRAPHIC WHITES
FINE MARKERS
BROAD MARKERS
CALLIGRAPHY MARKERS
HIGHLIGHTERS
O.H.P. MARKERS
NON-REPRO MARKERS
OPAQUING MARKERS
STUDIO MARKERS
MARKER FIXATIVE

TECHNICAL PENS

A technical pen is a writing instrument designed to produce an extremely uniform, dense line. It must meter ink so that the line width remains the same from start to finish, and produces a line dense enough for photographic reproduction. The pen does this using the principal of capillary action. The ink flows down a tube and around a wire that is inside the tube. The wire also breaks the surface tension when the point touches the drawing surface. A technical pen is a sensitive instrument that requires care and must be used with the right ink (see ink products later in this section). It is also recommended that the point and wire not be disassemble during cleaning.



KOH-I-NOOR RAPIDOGRAPH

The Koh-I-Noor Rapidograph features an extra smooth feel on the drawing surface. The patented dry double seal cap system seals the entire nib and tube orifice This helps eliminate drying out. There is no need to add water, and no mechanical parts to jam. 13 different line widths are available that are marked in standard and metric sizes. Nine of these sizes are in widths that conform to the International Standards Organization (ISO). Based on the square root of 2, these sizes facilitate the "half scale blow back technique, common in microfilm practice.

STEEL POINT

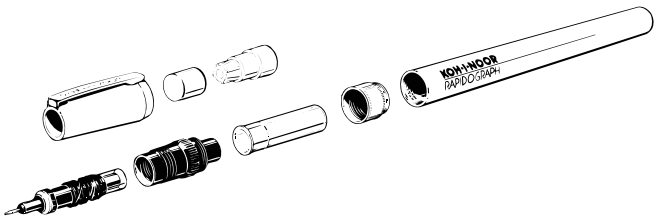
Stainless steel point pens are recommended for use on paper and cloth.

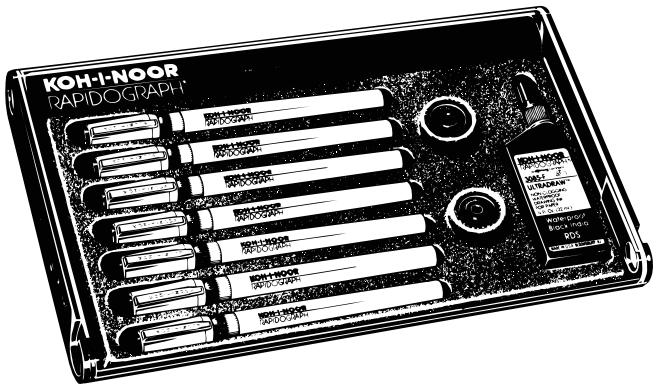
COMPLETE PENS			POINTS
K-3165-013	6/0	.13mm	K-0072D-013
K-3165-018	4/0	.18mm	K-0072D-018
K-3165-025	3/0	.25mm	K-0072D-025
K-3165-030	2/0	.30mm	K-0072D-030
K-3165-035	0	.35mm	K-0072D-035
K-3165-050	1	.50mm	K-0072D-050
K-3165-060	2	.60mm	K-0072D-060
K-3165-070	2-1/2	.70mm	K-0072D-070
K-3165-080	3	.80mm	K-0072D-080
K-3165-100	3-1/2	1.00mm	K-0072D-100
K-3165-120	4	1.20mm	K-0072D-120
K-3165-140	6	1.40mm	K-0072D-140
K-3165-200	7	2.00mm	K-0072D-200

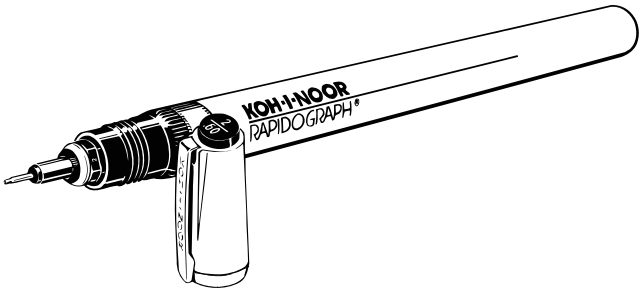
SLIM PACK SETS

Slim Pack Sets are sets in attractive plastic boxes with clear plastic lids and push button release. Each set includes a bottle of ink, and two nib wrenches. Sets are only about an inch thick to fit into drawers.

K-3165-SP-4	2/0, 0, 1, 2	Steel Points
K-3165-SP-7	3/0, 2/0, 0, 1, 2, 3, 4	Steel Points







PANACHE

Panache is a new line of calligraphic pens and inks developed by Hunt for the beginner or experienced calligrapher. These cartridge pens allow total control over every stroke. Nibs and ink colors can be changed instantly. You'll see what a joy it is to express yourself with Panache.

CALLIGRAPHY PEN

Includes burgundy pen with medium nib and two cartridges(black & blue).

HU-019901 Calligraphy Pen

BASIC CALLIGRAPHY SET

Provides the essential tools of calligraphy including Teal Pen, 3 nibs (fine, Medium & Broad) and 3 cartridges (Black, Dark Blue & Purple).

HU-019910 Basic Calligraphy Set RH
HU-019916 Basic Calligraphy Set LH

MASTER CALLIGRAPHY SET

An ideal selection of calligraphic tools including: 2 pens (Teal & Burgundy), 5 nibs (Ex Fine, Fine, Medium, Broad, & Scroll) and 4 ink cartridges (Black, Blue, Purple, & Turquoise).

HU-19911 Master Calligraphy Set

WRITING PENS

Panache Writing Pens come with a Medium Writing Nib. The cartridge pen comes with two blue cartridges, the fountain pen comes with a piston convertor.

HU-019903 Cartridge Writing Pen
HU-019904 Fountain Writing Pen

BASIC WRITING SET

Provides the basic tools for writing and calligraphy: Pen, Med Writing Nib, Ex-Fine & Fine Calligraphy Nibs, 2 Ink Cartridges (Blue & Black), and a piston convertor.

HU-019912 Basic Writing Set

NIBS AND ACCESSORIES

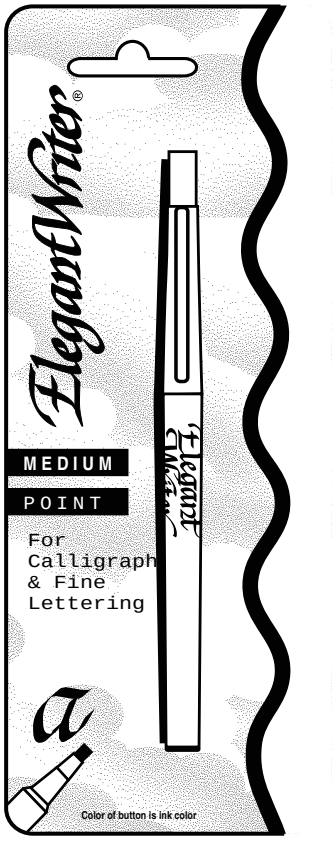
HU-019941 Writing Nib
HU-019942 Extra Fine Calligraphy Nib
HU-019943 Fine Calligraphy Nib
HU-019944 Medium Calligraphy Nib
HU-019945 Broad Calligraphy Nib
HU-019946 Scroll Calligraphy Nib
HU-019947 Left Hand Fine Calligraphy Nib
HU-019948 Left Hand Medium Broad Calligraphy Nib
HU-019949 Left Hand Broad Calligraphy Nib

HU-019908 Refillable Cartridge Converter

HU-019936 Black Cartridges Box of 5HU-019937 Blue Cartridges Box of 5

CALLIGRAPHY MARKERS

Calligraphy markers are unique in that they have a squared flat tip that can draw either thin or thick lines. By controlling the stroke, one can draw lines that progress from thin to thick, or visa versa. This allows the calligraphic technique. These markers are also fun to sketch or doodle with.



ELEGANT WRITER

The Speedball Elegant Writer brings the grace and style of calligraphy to everyday writing with ease. These versatile calligraphic markers are available in seven beautiful colors and six different point sizes to add creativity to your writing.

WATER SOLUABLE ELEGANT WRITERS

Carded

HU-2514	Black	Extra Fine
HU-2841	Black	Fine
HU-2842	Black	Medium
HU-2843	Black	Broad
HU-2515	Black	Extra Broad
HU-2844	Black	Scroll
HU-2849	Blue	Fine
HU-2850	Blue	Medium

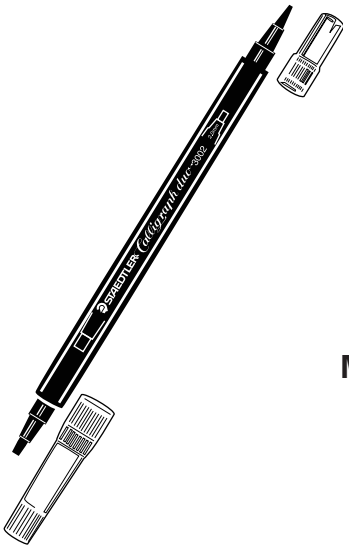
ELEGANT WRITER SETS

HU-2881	Color Set Fine	1 Each All Colors
HU-2882	Color Set Medium	1 Each All Colors
HU-2883	Color Set Broad	1 Each All Colors
HU-2884	Color Set Scroll	1 Each All Colors

CALLIGRAPHIC DUO

The Calligraphic Duo by Staedler is two markers in one. Each end has a different size nib. One is a 2.0mm the other is a 3.5mm. An odorless ink flows easily while retaining brilliant color. See through caps show nibs easily, click to seal, and interlock so they won't get lost. Available in five individual colors, a set of all five colors, or a set of three colors (red, blue, and black).

MR-3002-2	Calligraph Duo Red
MR-3002-3	Calligraph Duo Blue
MR-3002-6	Calligraph Duo Violet
MR-3002-7	Calligraph Duo Brown
MR-3002-9	Calligraph Duo Black
MR-3002-C3	Calligraph Duo Set of 3
MR-3002-C5	Calligraph Duo Set of 5



Mars Duo

DIP PENS

These pens do not have an ink reservoir, and are filled by dipping in an ink bottle, or filled with a dropper. This allows the use of much heavier ink than in fountain type pens. They are ideal for all types of art and calligraphic use.

SPEEDBALL PENS

Speedball pens are lettering pens in four styles. There are at least five sizes in each style. Style "A" has a square tab end for square block and poster gothic letters, borders, and decorations. Style "B" has a round tab end for gothic or outline letters, cartoons, borders, and posters. Style "C" has a square cut end for Roman or italic lettering, scrolls, and script. Style "D" has an oval tab end for bold Roman and italic lettering, poster styles, scrolls and script. Points do not include holder.

SPEEDBALL STYLE "A"

HU-3000	A-0	HU-3003	A-3
HU-3001	A-1	HU-3004	A-4
HU-3002	A-2	HU-3005	A-5
Carded			
HU-3101	A0/A1	HU-31003	A2/A3
HU-31005	A4/A5		

SPEEDBALL STYLE "B"

HU-3010	B-0	HU-3014	B-4
HU-3017	B-1/2	HU-3015	B-5
HU-3011	B-1	HU-3018	B-5-1/2
HU-3012	B-2	HU-3016	B-6
HU-3013	B-3		
Carded			
HU-31010	B0/B1/2	HU-31014	B3/B4
HU-31012	B-1/B2	HU-31016	B5/B6

SPEEDBALL STYLE "C"

HU-3020	C-0	HU-3024	C-4
HU-3021	C-1	HU-3025	C-5
HU-3022	C-2	HU-3026	C-6
HU-3023	C-3		
Carded			
HU-31021	C0/C1	HU-31025	C4/C5
HU-31023	C2/C3		

SPEEDBALL STYLE "D"

HU-3036	D-00	HU-3033	D-3
HU-3030	D-0	HU-3034	D-4
HU-3031	D-1	HU-3035	D-5
HU-3032	D-2		
Carded			
HU-31031	D0/D1	HU-31035	D4/D5
HU-31033	D2/D3		

SPEEDBALL STYLE "LC"

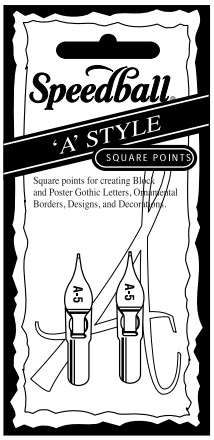
Specially created "C' style for left handers.

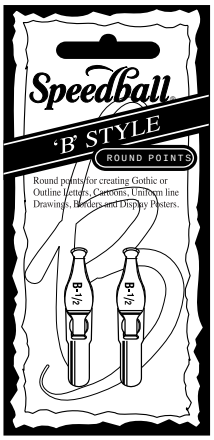
HU-3050	LC-0	HU-3053	LC-3
HU-3051	LC-1	HU-3054	LC-4
HU-3052	LC-2		

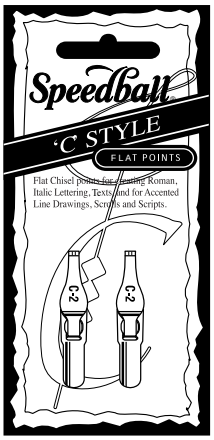
SPEEDBALL STEEL BRUSH

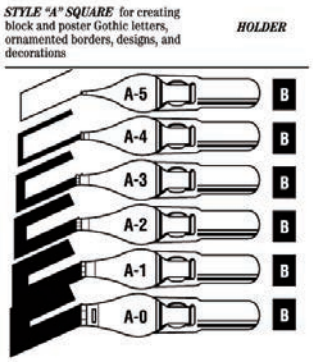
Steel brushes for one stroke type lettering. The four sizes are as easy to change as a pen point. Fits Speedball holder #9451.

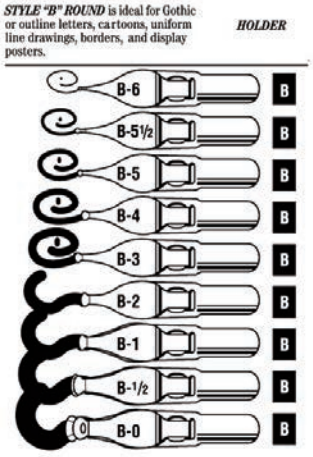
HU-31081	1/4" Speedball Steel Brush
HU-31082	3/8" Speedball Steel Brush
HU-31083	1/2" Speedball Steel Brush
HU-31084	3/4" Speedball Steel Brush

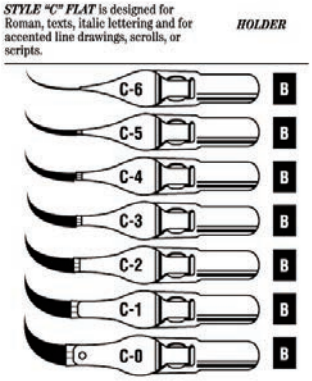


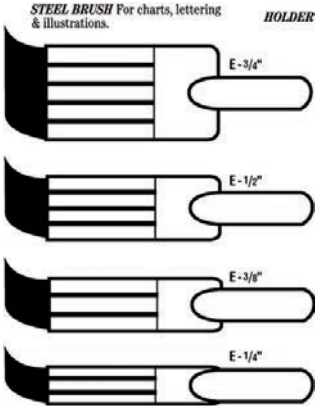



Speedball
'C' STYLE
FLAT POINTS
Flat Chisel points for creating Roman, Italic Lettering, Texts and for Accented Line Drawings, Scrolls and Scripts.
C-2
C-2









HUNT ARTIST PENS

Hunt Artist Pens come in a variety of styles and hardnesses for all types of drawing, lettering, tracing, and other fine line work. 12 per box

22B EXTRA FINE

A Bronze finished extra fine point for ornamental pen work and ruling. Medium stiff.

HU-9405 #22B Extra Fine

56 SCHOOL

The School point is a fine drawing pen with a bronze finish. Stiff action.

HU-9406 #56 School Point

99 DRAWING

The Drawing point has a special extra fine point for draftsmen and lithographers.

HU-9409 #99 Drawing Point

100 ARTIST

The artist point has a very fine point for delicate lines.

HU-9400 #100 Artist Point

101 IMPERIAL

The Imperial is a very flexible bronze finish pen for ornamental work.

HU-9401 #101 Imperial Point

102 CROW QUILL

The Crow Quill is an old favorite with a super fine, flexible point.

HU9402 #102 Crow Quill

103 MAPPING

The mapping point is for mapping and other fine line work.

HU-9403 #103 Mapping Point

104 FINEST

The finest point is a superfine art pen for fine hair lines and the finest detail.

HU-9404 #104 Finest Point

107 HAWK QUILL

The Hawk Quill has a super fine point that is very durable. For long even lines and cross hatching.

HU-9407 #107 Hawk Quill

108 FLEXIBLE QUILL

The Flexible point is a bronze finished point for cross hatch, flourshing, and lithography.

HU-9408 #108 Flexible Quill

512 BOWL

The Bowl is a fine pointed pen for ruling and lettering.

HU-9412 #512 Bowl

513 EF GLOBE

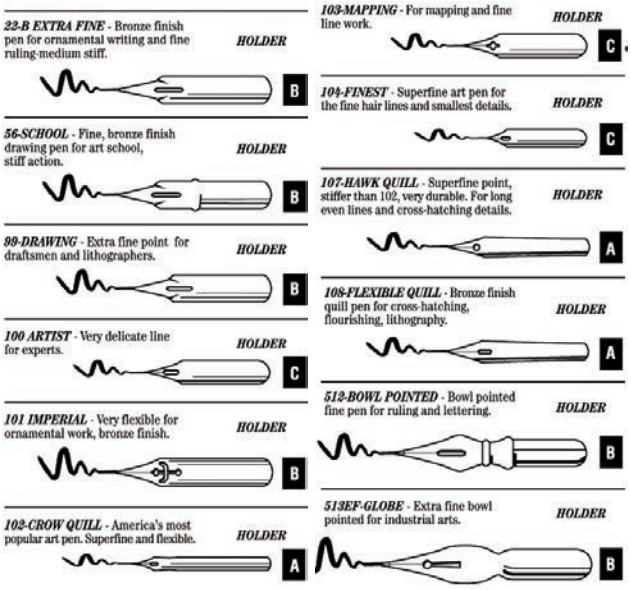
The Globe is an extra fine bowl pointed pen for industrial arts.

HU-9413 #513EF Globe

CARDED ARTIST PENS

Your favorite artist pens on convenient blister cards. Easy to handle and inventory. Two different points on each card.

HU-94007 102/107 Artist Pen Points
HU-94013 512/513EF Artist Pen Points
HU-94022 22B/56 Artist Pen Points
HU-94101 99/101 Artist Pen Points
HU-94103 103/104 Artist Pen Points
HU-94104 100/104 Artist Pen Points
HU-94108 102/108 Artist Pen Points


22-B EXTRA FINE - Bronze finish pen for ornamental writing and fine ruling-medium stiff. HOLDER B
56-SCHOOL - Fine, bronze finish drawing pen for art school, stiff action. HOLDER B
99-DRAWING - Extra fine point for draftsmen and lithographers. HOLDER B
100 ARTIST - Very delicate line for experts. HOLDER C
101 IMPERIAL - Very flexible for ornamental work, bronze finish. HOLDER B
102-CROW QUILL - America's most popular art pen. Superfine and flexible. HOLDER A
103-MAPPING - For mapping and fine line work. HOLDER C
104-FINEST - Superfine art pen for the fine hair lines and smallest details. HOLDER C
107-HAWK QUILL - Superfine point, stiffer than 102, very durable. For long even lines and cross-hatching details. HOLDER A
108-FLEXIBLE QUILL - Bronze finish quill pen for cross-hatching, flourishing, lithography. HOLDER A
512-BOWL POINTED - Bowl pointed fine pen for ruling and lettering. HOLDER B
513EF-GLOBE - Extra fine bowl pointed for industrial arts. HOLDER B

PEN HOLDERS

SPEEDBALL HOLDER

An inexpensive holder for Speedball and other large lettering points. Shaped for hand comfort. Black only.

HU-9451	Speedball Holder	Bulk
HU-94151	Speedball Holder	Carded

CROW QUILL HOLDERS

Two holders for both styles of Hunt Artist Pens. Carded

HU-94512 #102 Holder for pens #102, #107, & #108
HU-94514 #104 Holder for pens #100, #103, & #104

CORK GRIP HOLDER

A pen holder with a cork finger grip, and steel insert. The stem is black and available in wood or plastic. For lettering and larger pen points.

GP-0204-B Cork Grop Holder Plastic

OBLIQUE HOLDER

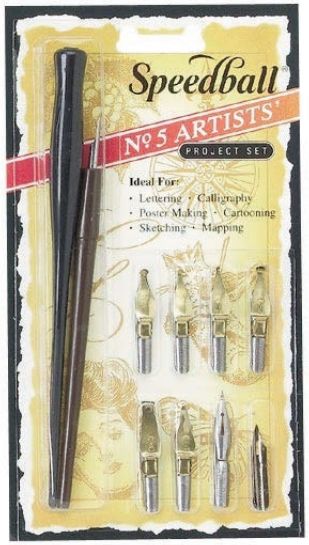
A holder that is specifically designefd to hold a point at the correct angle for Copperplate or Spencerian Script styles of lettering. Holds the #103 & #101 Hunt points.

HU-9455 Speedball Oblique Pen Holder

CROW QUILL CARDS

A card with either twelve Hunt #102 Crow Quill Pens in holders, or twelve #107 Hawk Quill Pens in holders.

HU-9432 Card with #102 Crow Quill Points
HU-9437 Card with #107 Hawk Quill Points



CALLIGRAPHY SETS

#5 SPEEDBALL SET

A boxed assortment of 6 Speedball pens, and Hunt points #102, 56, & 512, plus a lettering and pen drawing folder. Either in an individual gift box, or carded.

HU-3065 #5 Speedball Set Boxed
HU-2962 #5 Speedball Set Carded

SPEEDBALL CALL. KIT

A beginner calligraphy set with three Speedball "C" points, a 2 oz. bottle of Super India Ink, pen holder, and easy to follow instructions featuring Roman Italic lettering, as well as a handy guide for all Hunt calligraphic products.

HU-3059 Speedball Calligraphy Kit

SPEEDBALL CARDED SETS

A series of carded sets with nibs and holders for different styles of lettering and drawing.

2956 SPEEDBALL "B" SET

A carded set with six style B Speedball pens for rounded Gothic Alphabets, plus a Speedball #9451 Holder

HU-2956 B Style Speedball Lettering Set

2957 SPEEDBALL "C" SET

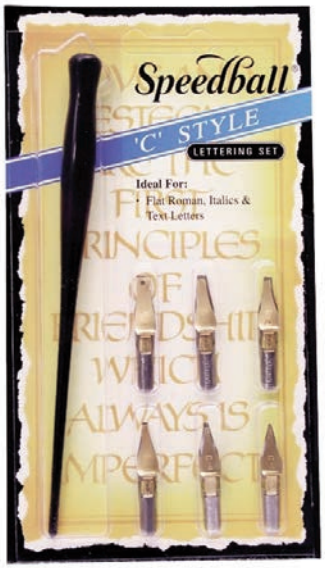
A carded set with six style C Speedball pens for square Roman and Italic Alphabets, plus a Speedball #9451 Holder

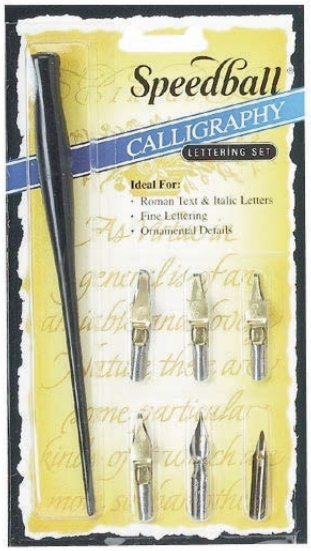
HU-2957 C Style Speedball Lettering Set

2961 SPEEDBALL CALLIGRAPHY SET

A carded set with four style C Speedball pens for square Roman and Italic Alphabets, two Hunt Artist Pens for ornamental work plus a Speedball #9451 Holder

HU-2961 Speedball Calligraphy Set





2963 SPEEDBALL POSTER SET

A carded set with three style A and three style B Speedball pens for square and round Gothic lettering , plus a Speedball #9451 Holder

HU-2963 Speedball Poster Set

2966 SPEEDBALL CARTOONING SET

A carded set to bring the cartoonists ideas to life. Six different round, oval and flexible nibs and two types of holders.

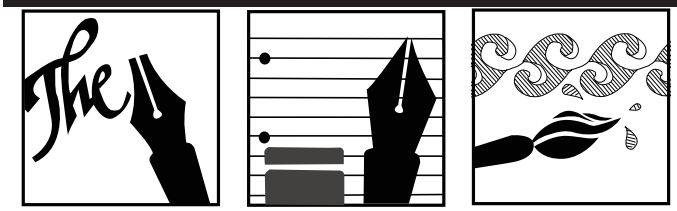
HU-2966 Speedball Cartooning Set

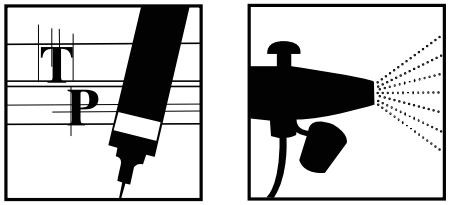
2967 SPEEDBALL #20 SET

A carded set with an assortment of Hunt Artist and Mapping Pens for ornamental work , litho, and cross hatching plus a two holders.

HU-2967 Speedball #20 Set

DRAWING INK





The term drawing ink is a very general term relating to inks that can be used in a variety of applications, and on a variety of surfaces. In this section, we will use symbols to help explain where inks can be used. This should help eliminate the confusion in use of inks in different tools.

3085 ULTRADRAW

A waterproof ink specially formulated to be non-clogging in technical pens. It has a longer open time in the pen, but dries quickly on paper. There is good blackness, easy flow, and is non-smearing. No unpleasant odor.

K-3085F	3/4 oz Bottle	Black
K-3085-08	8 oz. Bottle	Black

3080 UNIVERSAL

Koh-I-Noor Universal is for use on paper, film, or cloth. It is a fast drying, free flowing india ink with high opacity. An ideal ink for technical pens.

K-3080F	Koh-I-Noor Universal Black	3/4 oz.
K-30804	Koh-I-Noor Universal Black	8 oz.
K-30807	Koh-I-Noor Universal Black	32 oz.

HIGGINS BLACK INDIA

An extremely dense india ink for drawing and sketching. Free flowing for use in artist opens and technical pens. Can be thinned with water for washes, otherwise opaque. Waterproof on paper.

HI-4415	Higgins Black India	1 oz..
HI-4417	Higgins Black India	16 oz.
HI-4418	Higgins Black India	32 oz.

NON-WATERPROOF BLACK

An intense carbon formula that is not waterproof and extremely workable for producing a full range of grays. Ideal for washes and Japanese brush work. Removable from paper and film with water, by Higgins

HI-4425	Higgins Non-Waterprood Black	1 oz..

HIGGINS BLACK MAGIC

Black Magic is a waterproof intense black with a semi flat finish. Provides great opacity with adhesion to drafting film, paper or board. The medium viscosity helps prevent clogging. Mixes with Higgins pigmented inks.

HI-4465	Higgins Black Magic	1 oz..
HI-4466	Higgins Black Magic	8 oz.
HI-4467	Higgins Black Magic	16 oz.
HI-4468	Higgins Black Magic	32 oz.

3084 RAPIDRAW INK

Koh-I-Noor Rapidraw black ink has a special latex binder for high performance on drafting film, paper, and cloth. The latex binder permits high carbon black concentration for optimum blackness and opacity, while maintaining free flowing characteristics. For high quality photo reproduction.

K-3084F Koh-I-Noor Rapidraw Black 3/4 oz.

3338 SUPER BLACK INDIA

An opaque black ink that contains 100% carbon pigment with no dyes. Unexcelled for lightfastness. Pens must be cleanned thoroughly after use. Dried ink will be difficult to remove.

HU-3338 Speedball Siper Black India 2 oz

3074 RAPIDOMAT INK

A black formulated for automated drafting machines. For plotting on drafting film, paper, or cloth, with the longest possible open pen time to keep ink free flowing. Contains micro fine carbon particles to assure more constant flow while maintaining high density.

K-3074F Koh-I-Noor Rapidomat Black 3/4 oz

COLORED INK

HIGGINS TRANSPARENT

A series of transparent colors in 17 shades. These waterproof inks can be diluted with water, intermixed, or used straight from the bottle. For use on paper, not recommended for drafting film. In 1 oz. plastic bottles with dropper stoppers.

HI-4025	Yellow	HI-4205	Green
HI-4055	Orange	HI-4235	Leaf Green
HI-4065	Red Orange	HI-4255	Neutral Tint
HI-4085	Red	HI-4265	White
HI-4095	Carmine	HI-4275	Brick Red
HI-4105	Red Violet	HI-4285	Russet
HI-4115	Violet	HI-4295	Brown
HI-4145	Blue	HI-4305	Indigo
HI-4175	Turquoise		

HIGGINS PIGMENTED

These rich, vibrant colors dry to a flat, opaque, non-reflective finish that won't fade under light. May be mixed or diluted to achieve shades. Can also be used with Black Magic or Super White. For use on paper, board, or film. In 1 oz. bottles with dropper stoppers.

HI-44625	Lemon	HI-44675	Violet
HI-44635	Yellow	HI-44685	Blue
HI-44645	Red	HI-44695	Green
HI-44655	Carmine	HI-44705	Brown
HI-44665	Magenta		

COLORED INK

9065 KOH-I-NOOR TRANS.

A premium drawing ink for use on paper or cloth. The full range of colors include opaque black india, opaque white, and 16 transparent colors. Transparent colors can be intermixed or diluted to achieve intermediate colors. These are dye inks that will fade with prolonged exposure to direct sunlight or strong artificial light. One ounce bottles have a dropper stopper cap.

INDIVIDUAL COLORS, 1 OZ. BOTTLES

K-9065-01	Scarlet	K-9065-10	Prussian Blue
K-9065-02	Carmine	K-9065-11	Red Violet
K-9065-03	Vermilion	K-9065-12	Blue Violet
K-9065-04	Orange	K-9065-13	Sienna
K-9065-05	Yellow	K-9065-14	Burnt Sienna
K-9065-06	Lt. Green	K-9065-15	Sepia
K-9065-07	Dp. Green	K-9065-16	Grey
K-9065-08	Cobalt Blue	K-9065-17	Black India
K-9065-09	Ultramarine	K-9065-18	Opaque White

BLACK INDIA

K-9065-17	Black India	1 oz.
K-9067-17	Black India	8 oz.

9066 KOH-I-NOOR SPECIAL

Pelikan Special is an opaque ink formulated for technical pens with emphasis on prolonged open time. This helps prevent clogging. For use on drafting film. hard surface papers, and cloth. Colors are fade resistant and permanent, but easily erase from film. Also for plotting. 1 oz.

K-9066-50	Black	K-9066-54	Blue
K-9066-51	Red	K-9066-55	Violet
K-9066-52	Yellow	K-9066-56	Brown
K-9066-53	Green		

HIGGINS PIGMENTED

These rich, vibrant colors dry to a flat, opaque, non-reflective finish that won't fade under light. May be mixed or diluted to achieve shades. Can also be used with Black Magic or Super White. For use on paper, board, or film. In 1 oz. bottles with dropper stoppers.

HI-44625	Lemon	HI-44675	Violet
HI-44635	Yellow	HI-44685	Blue
HI-44645	Red	HI-44695	Green
HI-44655	Carmine	HI-44705	Brown
HI-44665	Magenta		

4015 SUPER WHITE

Higgins Super White is a non-waterproof bright white for opaquing and highlighting with air brush or brush. Covers quickly and wipes off with water. For quill, steel point and technical pens. In 1 oz. bottles

HI-4015	Higgins Super White

FOUNTAIN PEN INKS

These inks are specially formulated for traditional style fountain pens. Most, although not all, tent to be less permanent than drawing inks; however, drawing inks will permanently clog fountain pens and calligraphic fountain pens.

PELIKAN 4001

Pelikan 4001 inks are non-clogging, non-waterproof dye inks that are recommended for use in calligraphic and other fine fountain pens. Ideally suited for calligraphy, sketching, fine line work, and formal signatures. In 1 oz. and 2 oz. bottles

1 oz.		2 oz.
PEL-01-4001-1	Black	PEL-02-4001-1
PEL-01-4001-2	Blue/Black	PEL-02-4001-2
PEL-01-4001-3	Royal Blue	PEL-02-4001-3
PEL-01-4001-4	Brilliant Brown	
PEL-01-4001-5	Brilliant Green	
PEL-01-4001-6	Brilliant Red	PEL-02-4001-5
PEL-01-4001-7	Violet	
PEL-01-4001-8	Turquoise	

KOH-I-NOOR FOUNT INDIA

Fount India is a jet black ink used in almost any pen, for all techniques. The ink is smooth flowing with a dense carbon black formula. It is non-clogging, non-waterproof, reproducible, and easily diluted in water. In 1 oz. plastic bottles with dropper.

K-9150 Koh-I-Noor Fount India 1 oz.

FOUNTAIN PEN INDIA

Higgins Fountain Pen India is a free flowing, non-waterproof black ink for lettering, sketching, calligraphy and italic writing. In 2-1/2 oz. plastic bottles.

HI-723 Higgins Fountain Pen India

CALLIGRAPHY INK

Higgins Calligraphy Ink is a permanent carbon, waterproof ink for use in any fountain pen. In 2-1/2 oz. plastic bottles.

HI-44314 Higgins Calligraphy Ink

SEPIA CALLIGRAPHY INK

Higgins Sepia Calligraphy Ink is non-waterproof with a rich antique brown color. Its especially free flowing formula is ideal for use in calligraphy and fountain pens. In 2-1/2 oz. plastic bottles.

HI-733 Higgins Sepia Calligraphy Ink

HIGGINS ETERNAL

Higgins Eternal is a waterproof black ink for all office reproduction work. A free flowing permanent carbon black for all fountain and calligraphy pens. In 2-1/2 oz. plastic bottles.

HI-813 Higgins Eternal

SUMI INK

A form of black ink that has been used for centuries in the Orient. Available in traditional stick form and in liquid. Stick form must be ground for use. Ideal for calligraphy and drawing.

Y-SSB112	Sumi Ink Stick	
Y-KF2	Sumi Ink Liquid	2 oz.

INK ACCESSORIES

SUMI INK STONE

A man made suzuri grinding stone to make Sumi ink from Sumi Sticks. 5 x 2-1/2".. Make from powdered natural stone combined with a cementing compound, and compressed tightly into a good quality stone.

Y-S165	Suzuri Sumi Ink Stone

PEN CLEANERS

RAPIDO-EZE

Rapido-Eze Pen Cleaner has an improved formula over the original that is faster, and a stronger cleaning agent. Used for direct cleaning as well as in ultrasonic pen cleaners. The 6 oz. jar has a built in parts tray.

K-3068-08	Rapido-Eze	8 oz.
K-3068-16	Rapido-Eze	16 oz.
K-3068-32	Rapido-Eze	32 oz.

SYRINGE CLEANER KIT

The Koh-I-Noor Syringe Pressure Cleaner forces pen cleaner through clogged points. Uses pressure and suction, no aerosol propellants. Provided with connector so that it can be used as an ink flow starter, drawing ink through the point. A 2 oz.. jar of Rapido-Eze is included with the kit.

K-3068-SYKT	Syringe Pressure Cleaning Kit.

BALL MARKERS

This section of roller ball markers is made up of fine line, water soluble pens. These are the most popular for everyday writing, providing smooth expressive lines.

MARS 417

This family of roller ball markers provides high quality, smooth , expressive writing in 0.3mm width. The contemporary barrel offers high style with a color coded safety cap. The large visible reservoir provides long life with odorless and safe ink. 12 per box

417 0.3mm

MR-417-9	Black	MR-413-3	Blue
MR-417-2	Red	MR-417-5	Green

FINE WATER SOLUBLE

EXPRESSO

The Expresso family of plastic point writing instruments let you express yourself with smooth, effortless writing. The plastic points remain sharp and don't mush out, even after long use. The "Humistatic" ink formula keeps the points moist and ready to use immediately. Even if the pen has been uncapped for days, a few strokes will make it perform again. The series includes an Extra Fine Point Expresso (0.3mm), and Medium Point Expresso (o.5mm), and a Bold Point Expresso (0.8mm).

REGULAR POINT LIQUID EXPRESSO

SA-21001	Black	SA-21004	Pink
SA-21002	Red	SA-21005	Purple
SA-21003	Blue	SA-21006	Green

FINE POINT LIQUID EXPRESSO

SA-31001	Black	SA-31004	Pink
SA-31002	Red	SA-31005	Purple
SA-31003	Blue	SA-31006	Green

FINE PERMANENT

MARS PIGMENT LINER

Permanent ink that is popular with accountants, students, artists and graphic designers, the Mars basic drawing pen is available in five different sizes. Any size is perfect for renderings, sketches and mechanical drawings. Because the ink dries fast and permanently, artists can wash and color overlay pigment liner ink artwork. There is no feathering or bleeding through paper. 10 per box

MR-308-OO5-9	Pigment Liner	Black	.005mm
MR-308-01-9	Pigment Liner	Black	0.1mm
MR-308-02-9	Pigment Liner	Black	0.3mm
MR-308-05-9	Pigment Liner	Black	0.5mm
MR-308-07-9	Pigment Liner	Black	0.7mm

Set

MR-308-BK4	Pigment Liner	Set of 4 Black

FINE PERMANENT

Permanent markers are solvent soluble, not water soluble. The term "permanent" in markers refers to solubility, not light fastness.

SHARPIE

A water resistant marker for writing on almost any surface. A bullet tip on the regular model or a fine plastic (0.4mm) tip on the Extra Fine Sharpie, mark boldly on metal, glass, plastic, foil, rubber, waxed paper, etc. The high intensity are also used for overhead projection. 12 per box.

SUPER SHARPIE

SA-33001	Black	SA-33003	Blue
SA-33002	Red	SA-33004	Green

REGULAR SHARPIE

SA-30001	Black	SA-30005	Yellow
SA-30002	Red	SA-30006	Orange
SA-30003	Blue	SA-30007	Brown
SA-30004	Green	SA-30008	Purple

EXTRA FINE SHARPIE

SA-35001	Black	SA-35003	Blue
SA-35002	Red	SA-35004	Green

ULTRA FINE SHARPIE

SA-37001	Black	SA-37003	Blue
SA-37002	Red	SA-37004	Green

TWIN TIP SHARPIE

A new Sharpie that features a regular tip in one end and an ultra fine tip in the other.

SA-32001	Black	SA-32003	Blue
SA-32002	Red	SA--32004	Green

MAGNUM 44

The Magnum 44 features a big 1/2" wool nib for broad, bold strokes. The all metal one piece canister keeps the marker going for a long time. The water resistant inks are permanent on most surfaces.

SA-44001	Black	SA-44003	Blue
SA-44002	Red	SA-44004	Green

SANFORD®
Sharpie
PERMANENT MARKER

HIGHLITERS

Special felt tip markers that call attention to printed matter with see through color.

MARS TOP STAR

Mars Top Star markers have a broad wick tip and a large tank for long write out. Colors are clear and transparent. Ideal for books, maps, reports, letters etc. Available in two shapes,the BOSS traditional stub-by marker, and the SWING long slender style. 6 per box, carded.

MR-364-1BK	Yellow	MR-364-23BK	Pink

Northwest Graphic Supply Co.
4200 East Lake St. • Minneapolis, MN 55406
nwgraphic.com

SPECIALTY MARKERS

PRANG WATERCOLOR MARKERS

Instant watercolors in a marker! These instant watercolors deliver all the brilliance of watercolors without the mess. Colors can be blended to create secondary colors. You can create exciting watercolor effects by blending with brush and water. The conical shape marker tips can apply from thin to broad applications. Caps are designed with safety in mind, and meet safety requirements for small parts. Available in eight colors, in Professional and Fun Pro (water washable).

AC-80680	Fun Pro W/C Marker Set	Washable
AC-80128	Prang Professional W/C Markers	

BROAD - WATER SOLUBLE

MR. SKETCH

An exciting instrument that draws in bright, clean water colors. Sanford's Mr. Sketch uses a wick applicator with a felt point that produces fine, medium, and broad lines, plus interesting effects by blending colors on paper. Each color has its own pleasing fragrance, no usual marker smell. Colors will not penetrate paper and are safe for children.

SA-21074	4 Color Set
SA-21078	8 Color Set
SA-21072	12 Color Set

PAINT MARKERS

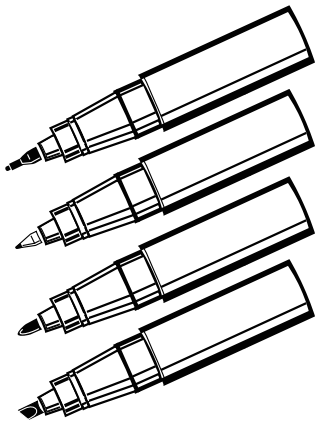
PAINTERS

Speedball "Painters" Paint Markers are filled with real quality acrylic paint. They're opaque, non-toxic and work on wood, metal, plastic, ceramic etc. Ideal for crafts. Carded, 6 per pkg.

FINE		MEDIUM
HU-7326	Black	HU-7327
HU-7332	White	HU-7333
HU-7334	Blue	HU-7335
	Red	HU-7337
	Yellow	HU-7341
	Brown	HU-7343
	Green	HU-7345
	Pink	HU-7347
	Violet	HU-7349

METALLICS

HU-7328	Gold	HU-7329
HU-7330	Silver	HU-7331



OVERHEAD PROJECTION

Special high intensity inks in these markers help to project in vivid color.

MARS LUMOCOLOR AV

Mars Lumocolor markers are a fine line marker system in both water and permanent formulations. Both adhere to acetate paper, film, glass, plastic, ceramic, and other OHP materials, plus dry instantly. While water will remove the water base marker, and mild solvent the permanent, a unique feature is that a lumoplast eraser (MR-526-56) will erase both. Used in a variety of applications in the graphic arts as well as commercial arts industries.

WATER BASE		PERMANENT
SUPERFINE		
MR-311-1	Yellow	MR-313-1
MR-311-2	Red	MR-313-2
MR-311-3	Blue	MR-313-3
MR-311-4	Orange	MR-313-4
MR-311-5	Green	MR-313-5
MR-311-6	Violet	MR-313-6
MR-311-7	Brown	MR-313-7
MR-311-9	Black	MR-313-9
FINE		
MR-316-1	Yellow	MR-318-1
MR-316-2	Red	MR-318-2
MR-316-3	Blue	MR-318-3
MR-316-4	Orange	MR-318-4
MR-316-5	Green	MR-318-5
MR-316-6	Violet	MR-318-6
MR-316-7	Brown	MR-318-7
MR-316-9	Black	MR-318-9
MEDIUM		
MR-315-1	Yellow	MR-317-1
MR-315-2	Red	MR-317-2
MR-315-3	Blue	MR-317-3
MR-315-4	Orange	MR-317-4
MR-315-5	Green	MR-317-5
MR-315-6	Violet	MR-317-6
MR-315-7	Brown	MR-317-7
MR-315-9	Black	MR-317-9
BROAD		
MR-312-1	Yellow	MR-314-1
MR-312-2	Red	MR-314-2
MR-312-3	Blue	MR-314-3
MR-312-4	Orange	MR-314-4
MR-312-5	Green	MR-314-5
MR-312-6	Violet	MR-314-6
MR-312-7	Brown	MR-314-7
MR-312-9	Black	MR-314-9
EXTRA BROAD		
MR-355-2	Red	MR-357-2
MR-355-3	Blue	MR-357-3
MR-355-5	Green	MR-357-5
MR-355-9	Black	MR-357-9

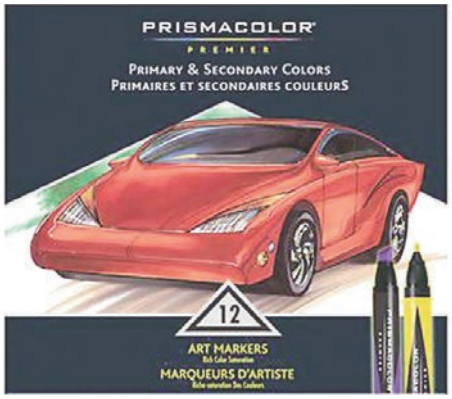
All of the above series are available in wallet pack sets of 4, 6, and 8 colors. Order by inserting the series number for the “XXX”

MR-XXX-WP4	4 COLOR SET
MR-XXX-WP6	6 COLOR SET
MR-XXX-WP8	8 COLOR SET

BEROL PRISMACOLOR

These Art Markers are twice as handy! Chisel nib on one end and fine point nib on the other. Perfect ink color match from end-to-end. Provides permanent ink coverage without fading or feathering. Available in 116 classic colors plus 4 single nib metallics in Silver and Gold, both chisel and fine point.

PM-001 Process Red
PM-004 Crimson
PM-005 Scarlet Lake
PM-006 Carmine
PM-007 Magenta
PM-008 Pink
PM-010 Blush Pink
PM-011 Deco Peach
PM-012 Light Peach
PM-013 Poppy Red
PM-014 Pale Vermillion
PM-015 Yellowed Orange
PM-016 Orange
PM-017 Sunburst Yellow
PM-018 Yellow Ochre
PM-019 Canary Yellow
PM-021 Tulip Yellow
PM-023 Cream
PM-025 Spring Green
PM-026 Lt Olive Green
PM-027 Chartreuse
PM-028 Olive Green
PM-031 Dark Green
PM-032 Parrot Green
PM-036 Lime Green
PM-037 Aquamarine
PM-038 Teal Blue
PM-039 True Blue
PM-040 Copenhagen Blue
PM-042 Violet Blue
PM-043 Indigo Blue
PM-044 Ultramarine
PM-045 Navy Blue
PM-046 Light Aqua
PM-047 Non-Photo Blue
PM-050 Violet
PM-053 Mulberry
PM-055 Rhodamine
PM-060 Violet Mist
PM-061 Dark Umber
PM-062 Sepia
PM-065 Sienna Brown
PM-069 Goldenrod
PM-070 Sand
PM-071 Buff
PM-072 Eggshell
PM-073 Flagstone Red
PM-078 Brick Beige
PM-079 Brick White
PM-080 Putty
PM-082 Terra Cotta
PM-086 Cherry
PM-088 Dark Brown
PM-089 Light Walnut
PM-090 Walnut
PM-093 Burnt Ochre
PM-095 Light Tan
PM-096 Blond Wood
PM-097 Warm Black
PM-098 Black
PM-099 Warm Gray 10%
PM-100 Warm Gray 20%
PM-101 Warm Gray 30%
PM-102 Warm Gray 40%
PM-103 Warm Gray 50%
PM-104 Warm Gray 60%
PM-105 Warm Gray 70%
PM-106 Warm Gray 80%
PM-107 Warm Gray 90%
PM-108 Cold Gray 10%
PM-109 Cold Gray 20%
PM-110 Cold Gray 30%
PM-111 Cold Gray 40%
PM-112 Cold Gray 50%
PM-113 Cold Gray 60%
PM-114 Cold Gray 70%
PM-115 Cold Gray 80%
PM-116 Cold Gray 90%
PM-117 Metallic Silver, Broad
PM-118 Metallic Silver, Fine
PM-119 Metallic Gold, Braod
PM-120 Metallic Gold, Fine
PM-121 Clear Blender
PM-122 Salmon Pink
PM-123 Spanish Orange
PM-124 Limepeel
PM-125 Peacock Blue
PM-126 Cerulean Blue
PM-127 Imperial Violet
PM-128 Parma Violet
PM-130 Deco Orange
PM-131 Deco Yellow
PM-132 Jasmine
PM-133 Deco Pink
PM-134 Deco Blue
PM-135 Deco Green
PM-136 Deco Aqua
PM-137 Clay Rose
PM-138 Pink Rose
PM-139 Rosy Beige
PM-140 Celadon Green
PM-141 Jade Green
PM-142 Brittany Blue
PM-143 Mediterranean Blue
PM-144 Cloud Blue
PM-145 Blue Slate
PM-146 Periwinkle
PM-147 Grayed Lavender
PM-149 Bronze
PM-150 Mahogany Red
PM-151 Raspberry
PM-152 Henna
PM-153 Pumpkin Orange
PM-154 Mineral Orange
PM-155 French Gray 10%
PM-156 French Gray 20%
PM-157 French Gray 30%
PM-158 French Gray 40%
PM-159 French Gray 50%
PM-160 French Gray 60%
PM-161 French Gray 70%
PM-162 French Gray 80%
PM-163 French Gray 90%
PM-165 Grass Green
PM-166 True Green
PM-167 Apple Green
PM-168 Dark Purple
PM-169 Tuscan Red
PM-170 Peach
PM-171 Lilac



PM-172 Light Umber
PM-173 Light Violet
PM-184 Forest Green
PM-185 Spruce
PM-186 Emerald
PM-187 Leaf Green
PM-188 Melon
PM-189 Orchid
PM-190 Tangerine
PM-191 Jade
PM-192 Avocado
PM-193 Mint Cream
PM-194 Cold Stone
PM-195 Spearmint
PM-196 Wheat
PM-197 Green Tea
PM-198 Muted Turquoise
PM-199 Mocha Light
PM-200 Mocha Dark
PM-201 Cinnamon Toast
PM-202 Sky Blue Light

ORDER:
BC-PM-XXX Color

PRISMACOLOR SETS

BC-BP-012N
PRIMARY & SECONDARY SET
PM-4 PM-6 PM-15
PM-19 PM-31 PM-32
PM-44 PM-50 PM-53
PM-57 PM-61 PM-98

BC-BP-012P
COOL GRAYS
PM-108 PM-109 PM-110
PM-112 PM-112 PM-113
PM-114 PM-115 PM-116
PM-98 (3)

BC-BP-012Q
WARM GRAYS
PM-99 Pm-100 PM-101
PM-102 PM-103 PM-104
PM-105 PM-106 PM-107
PM-98 (3)

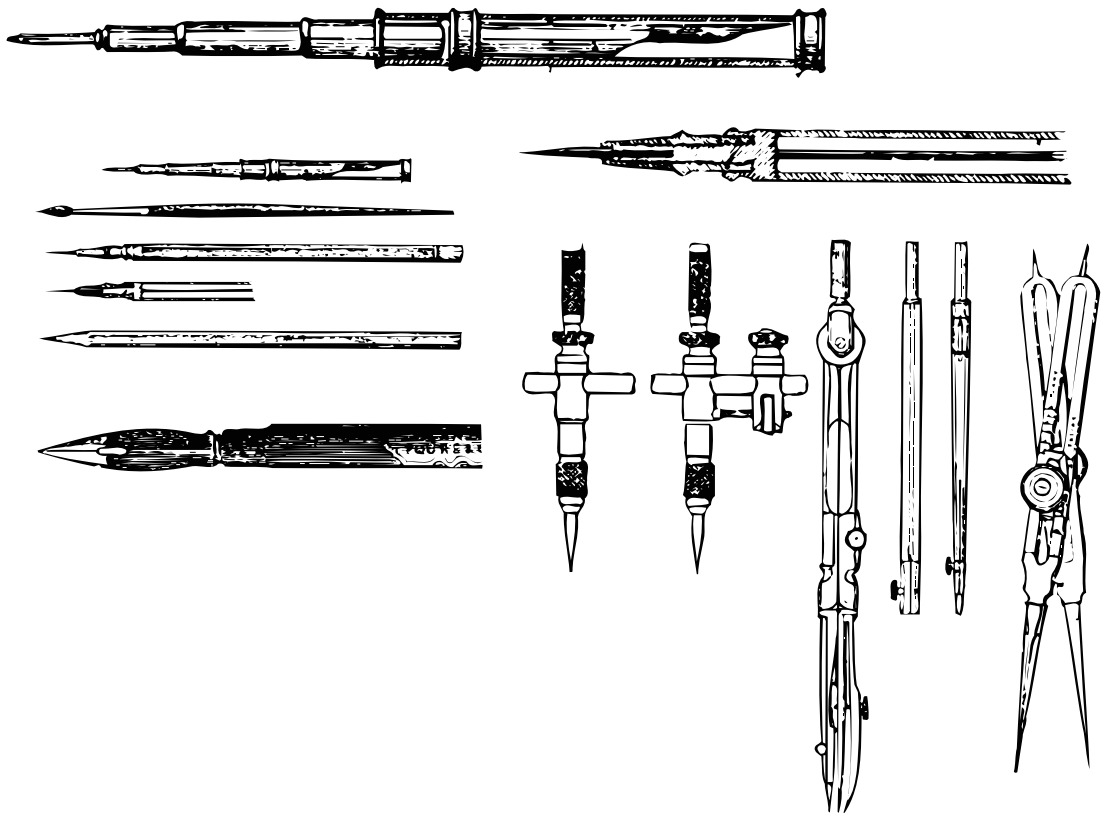
BC-BP-012P
FRENCH GRAYS
PM-155 PM-156 PM-157
PM-158 PM-159 PM-160
PM-161 PM-162 PM-163
PM-98 (3)

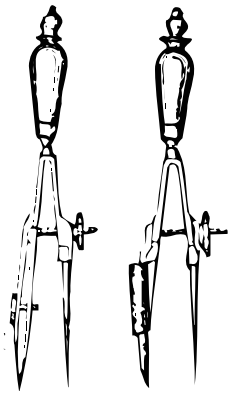
BC-BP-024S
24 COLORS

BC-BP-048S
48 COLORS

BC-BP-072S
72 COLORS

DRAFTING





TRIANGLES
FRENCH CURVES
PROTRACTORS
RULERS
SCALES
T-SQUARES
STRAIGHT EDGES
TEMPLATES
INSTRUMENTS

Northwest Graphic Supply Co.
4200 East Lake St. • Minneapolis, MN 55406

TRIANGLES

INKING EDGE TRIANGLE

A premium acrylic triangle with a double bevel inking edge that keeps ink from markers, technical pens, ruling pens, etc. from spreading underneath. Precision made to .10" thickness with a transparent smoke tint for easy visibility. Continuous double bevel inside finger lifts provide easy pick up and placement. The ideal triangle for pen and ink by Koh-I-Noor.

30/60 TRIANGLES		45/90 TRIANGLES
K-7202-04	4" Inking Triangle	K-7203-04
K-7202-06	6" Inking Triangle	K-7203-06
K-7202-08	8" Inking Triangle	K-7203-08
K-7202-10	10" Inking Triangle	K-7203-10
K-7202-12	12" Inking Triangle	K-7203-12
K-7202-14	14" Inking Triangle	K-7203-14

CLEAR ACRYLIC TRIANGLE

Clear acrylic triangles that are precision molded for accuracy, combining clarity with long life. Continuous double bevel inside edges provide fingerlifts for easy pick-up and placement. A professional tool by Koh-I-Noor.

30/60 TRIANGLES		45/90 TRIANGLES
K-7205-04	4" Acrylic Triangle	K-7206-04
K-7205-06	6" Acrylic Triangle	K-7206-06
K-7205-08	8" Acrylic Triangle	K-7206-08
K-7205-10	10" Acrylic Triangle	K-7206-10
K-7205-12	12" Acrylic Triangle	K-7206-12
K-7205-14	14" Acrylic Triangle	K-7206-14
K-7205-18	18" Acrylic Triangle	
K-7205-16	16" Acrylic Triangle	
K-7205-18	18" Acrylic Triangle	

FLUORESCENT TRIANGLE

Professional fluorescent orange, acrylic triangles that are precision molded of .08" acrylic co-polymer. The fluorescent orange color illuminates the ruling edge and offers high visibility either on the board indoors or out. Continuous double bevel inside fingerlifts for easy pick-up and placement. By Koh-I-Noor.

30/60 TRIANGLES		45/90 TRIANGLES
K-7205F-04	4" Fluorescent Triangle	K-7206F-04
K-7205F-06	6" Fluorescent Triangle	K-7206F-06
K-7205F-08	8" Fluorescent Triangle	K-7206F-08
K-7205F-10	10" Fluorescent Triangle	K-7206F-10
K-7205F-12	12" Fluorescent Triangle	K-7206F-12
K-7205F-14	14" Fluorescent Triangle	

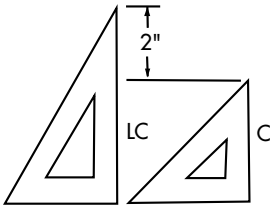
C-THRU ACRYLIC TRIANGLE

Clear transparent triangles of .08" acrylic with square edges. The triangular shaped open centers have beveled finger lifts. Note: 16" and 18" triangles are of .10" acrylic. By C-Thru.

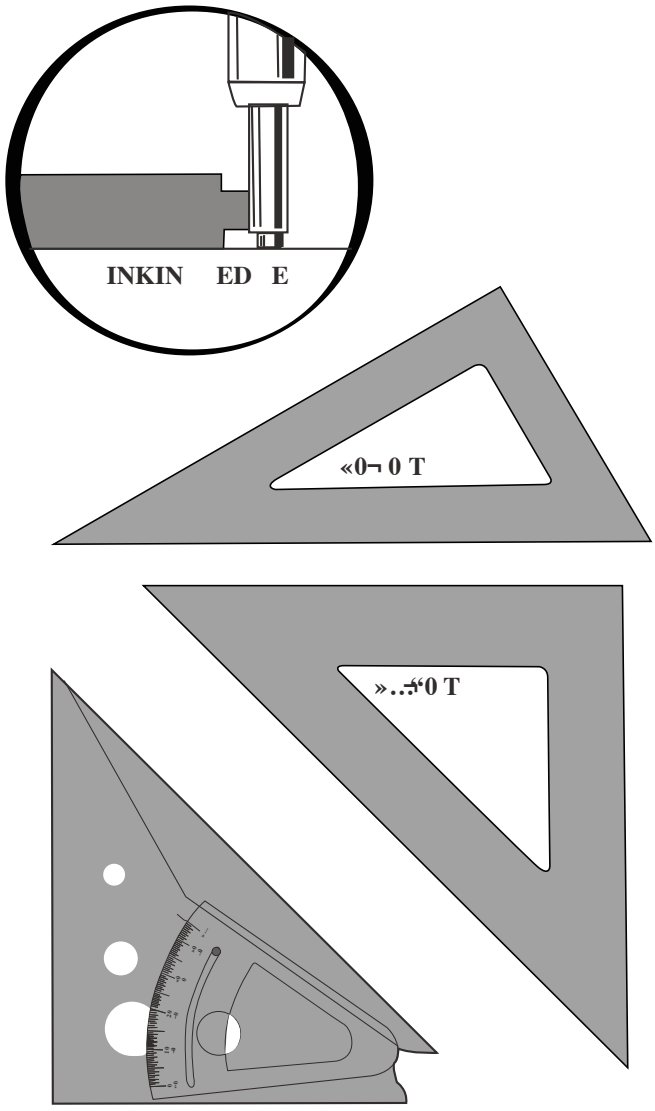
30/60 TRIANGLES		45/90 TRIANGLES
CT-A-390-06	6" Acrylic Triangle	CT-A-450-06
CT-A-390-08	8" Acrylic Triangle	CT-A-450-08
CT-A-390-10	10" Acrylic Triangle	CT-A-450-10
CT-A-390-12	12" Acrylic Triangle	CT-A-450-12
CT-A-390-14	14" Acrylic Triangle	CT-A-450-14
CT-A-390-16	16" Acrylic Triangle	CT-A-450-16
CT-A-390-18	18" Acrylic Triangle	CT-A-450-18

How To Order

A 60° triangle is measured on the longest cathetus, LC, and a 45° is measured on th length of one of the two equal sided, C.



Two triangles are considered a set is LC for a 60° is two inches longer than C for a 45° triangle.

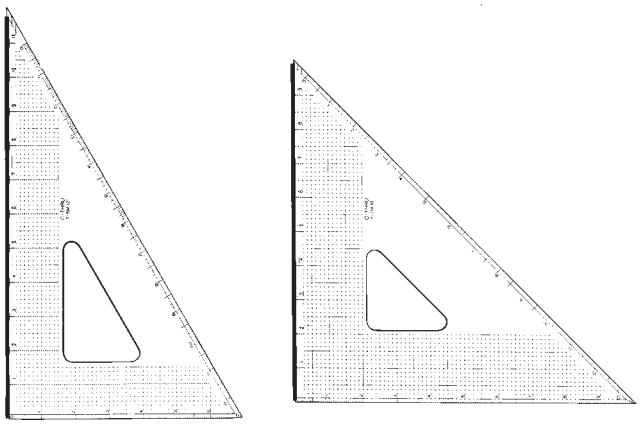


AT¿10

ADJUSTABLE TRIANGLE

Transparent triangles of clear plastic that permit tracing of any angle from zero to 90 degrees. Inner graduations on the arc give degrees of one angle, while the outer row of figures gives figures of the degrees of the complementary angle. Available in a regular grade from C-Thru. individually boxed.

C-THRU ADJUSTABLE TRIANGLES	
CT-AT-08	8" Adjustable Triangle
CT-AT-10	10" Adjustable Triangle

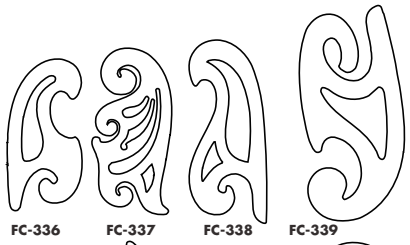


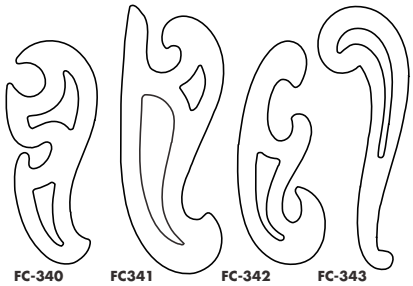
GRIDDED, STAINLESS CUTTING EDGE TRIANGLE

This is a professional .150" thick clear acrylic triangle. It features a stainless steel edge on one side for easy, nick free cutting. Edges are graduated in 16ths of an inch with an 1/8 inch grid on each right angle leg. Grids are visable on both light and dark surfaces. Double bevel and finger lifts for easy pick up.

30/60		45/90
N/A	8" Cutting Edge Triangle	CT-T-6M
CT-T-4M	10" Cutting Edge Triangle	CT-T-7M
CT-T-5M	12" Cutting Edge Triangle	CT-T-15M
CT-T-14M	14" Cutting Edge Triangle	N/A

FRENCH CURVES





French curves made of heavy weight crystal clear plastic. All edges are perfectly smooth. Each comes in its own poly bag.

CT-FC-336	French Curve	6"
CT-FC-337	French Curve	6-1/4"
CT-FC-338	French Curve	7-1/4"
CT-FC-339	French Curve	8-1/4"
CT-FC-340	French Curve	8-3/4"
CT-FC-341	French Curve	10-1/2"
CT-FC-342	French Curve	8-1/4"
CT-FC-343	French Curve	10-1/4"

FRENCH CURVE SETS

Sets of the above French Curves that give the artist a range of tools. The set of four contains numbers 334, 337, 343 and 341. The set of eight contains all eight of the curves listed above.

CT-FC-4	French Curve Set	Set of 4
CT-FC-8	French Curve Set	Set of 8

FLEXIBLE CURVES

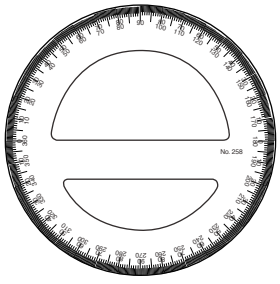
A flexible curve is a strip of solid lead covered with Vinyl that can be shaped into almost any curve. They can be reshaped many times to fit drawings. They will produce regular or irregular curves and allow full view at all times. Edges are square on one side and beveled on the other for inking.

CT-TC-384	12" Flexible Curve
CT-TC-385	16" Flexible Curve
CT-TC-386	20" Flexible Curve

PROTRACTORS

CIRCULAR PROTRACTORS

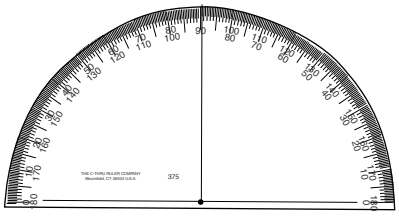
These circular protractors are made of heavy plastic with full 360 degree markings around the circle. Center has cut outs for easy handling, and complete outer edge is beveled. In individual poly bags.



CT-260	6" Diameter Circular Protractor

SEMI-CIRCULAR PROTRACTORS

Acrylic molded semi-circular protractors have beveled outer edges. Calibrated in 1/2 degrees, with ten degrees below base line. The 4" has a solid center, while the 6" and the 8' have cut out centers.

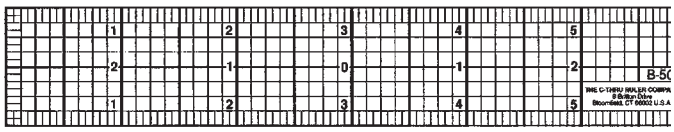


CT-375	4" Semi-Circular Protractor

RULERS

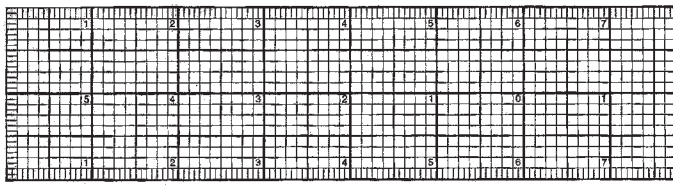
C-THRU RULERS

C-Thru rulers are clear plastic with red markings in various scales and grids. These markings are easy to read for close registration over black lines beneath. Markings are laminated so they will not rub off.



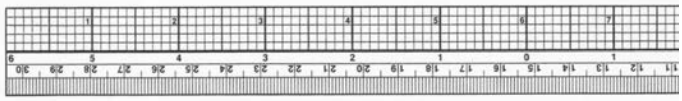
B-50 1 x 6" transparent graph ruler calibrated in sixteenths.

CT-B-50 1 x 6" Ruler



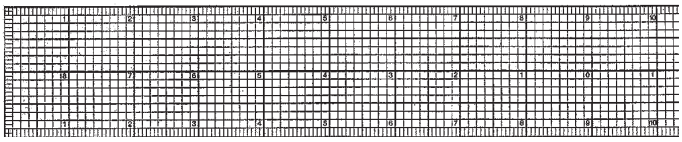
B-70 2 x 12" transparent graph ruler calibrated in sixteenths.

CT-B-70 2 x 12" Ruler



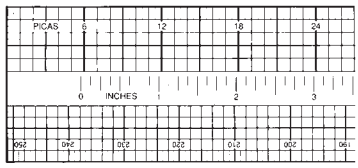
B-65 1 x 12" ruler with standard and metric scales, beveled both sides. Standard marked in tenths.

CT-B-65 1 x 12" Ruler



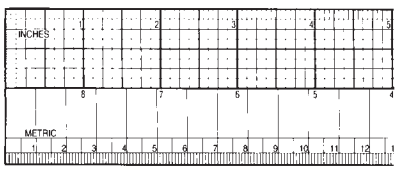
B-85 2 x 18" ruler with standard graph marked in sixteenths.

CT-B-85 2 x 18" Ruler



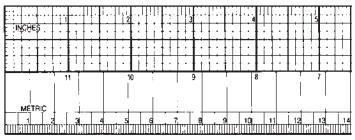
B-90 2 x 18" ruler marked in picas, agates, and inches.

CT-B-90 2 x 18" Pica Ruler



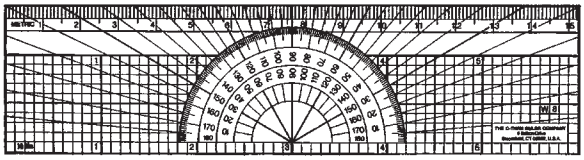
B-95 2 x 18" ruler with one edge divided in sixteenths, and the other in millimeters.

CT-B-95 2 x 18" Metric Ruler



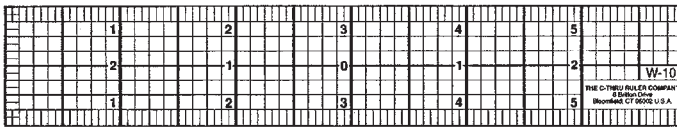
B-97 2 x 24" ruler with one edge divided in sixteenths, and the other in millimeters.

CT-B-97 2 x 24" Metric Ruler



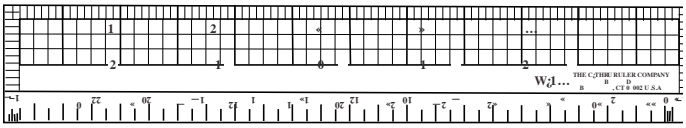
W-8 1-1/2 x 6" engineers protractor ruler with centimeter scale and inch calibrations in tenths.

CT-W-08 1-1/2 x 6" Protractor Ruler



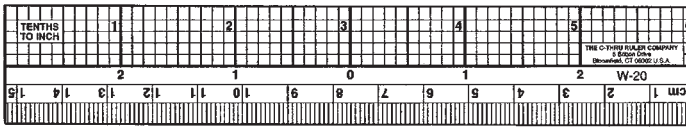
W-10 1 x 6" graph ruler calibrated in sixteenths.

CT-W-10 1 x 6" Graph Ruler



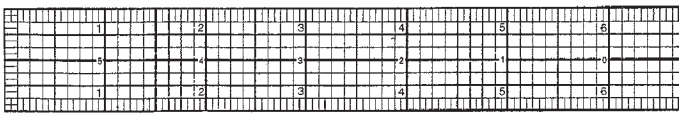
W-15 1 x 6" architectural ruler with scales in inches to sixteenths, plus a 1/4" and 1/8" scale.

CT-W-15 1 x 6" Architectural Ruler



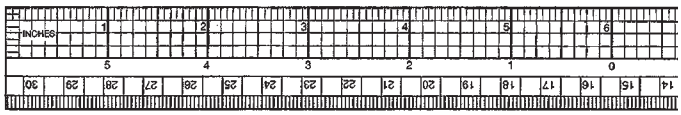
W-20 1 x 6" ruler with one edge in inches divided in tenths, and the other in millimeters.

CT-W-20 1 x 6" Metric Ruler



W-25 1 x 12" graph ruler marked in sixteenths of an inch.

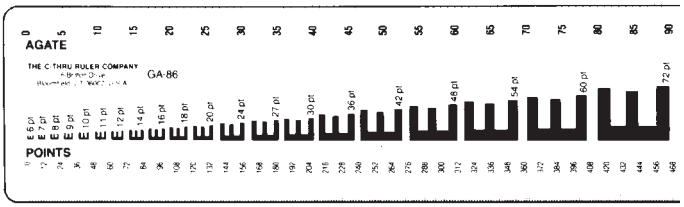
CT-W-25 1 x 12" Graph Ruler



W-30 1 x 12" ruler with inch markings to sixteenths, and metric markings on the other side.

CT-W-30 1 x 12" Metric Ruler

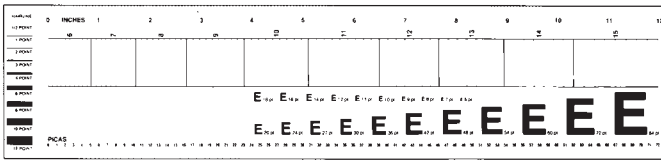
METAL RULERS



GRAPHIC ARTS RULER

A 2 x 18" opaque laminated ruler with inches, picas, and agate calibrations plus a variety of other data including proof readers symbols, printers rules (hairline to 12 point), ten percentage screens ranging from 10% to solid, halftone screens, plus a simplified copy casting system. Twelve point standard, and ten point elite typewriter copy counters are also offered.

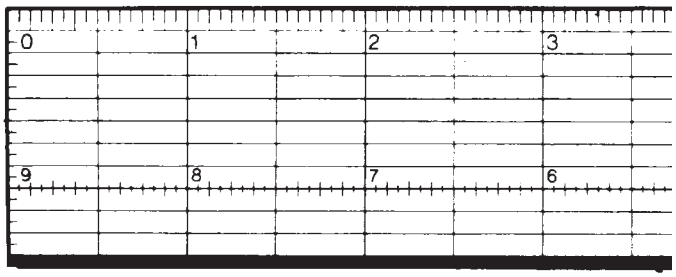
CT-GA-86 2 x 18" Graphic Arts Ruler



GRAPHIC ARTS LEADING GAUGE

3 x 13-3/4" ruler is printed on transparent plastic and laminated for printing permanency. It includes scales in picas, point sizes, printer's rules, sixteenths to the inch and a leading gauge.

CT-GA-96 3 x 13-3/4" Graphic Arts Leading Gauge



METAL EDGE RULERS

B-1M 1-1/2" x 12-1/2" heavy guage clear acrylic ruler. .150 thick 0 centering scale. One edge is beveled, the other has a stainless steel edge. Calibrations and grids visiable on both dark and light surfaces. Ruler is graduated in 16ths to the inch.

CT-B-1M 1-1/2"x12-1/2" Steel Edge Ruler

B-2M Same as B-1M above except 1-1/2" x 18-1/2".

CT-B-2M 1-1/2"x18-1/2" Steel Edge Ruler

GAEBEL

GAEBEL RULERS

Gaebel rulers are premium stainless steel rulers that are available in a variety of types for any kind of ruling. Markings are etched into the metal and filled with black ink. This makes a ruler that will provide many years of service.

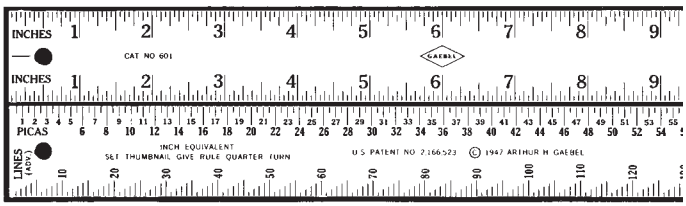
CORK BACK RULERS

A one sided ruler that has a thin strip of cork laminated to one side. This keeps it from slipping when set down. The ruler is 1-1/8" wide with inches on one side and metric on the other.

GB-212 12" Gaebel Cork Back Ruler
GB-215 15" Gaebel Cork Back Ruler
GB-218 18" Gaebel Cork Back Ruler
GB-224 24" Gaebel Cork Back Ruler
GB-236 36" Gaebel Cork Back Ruler

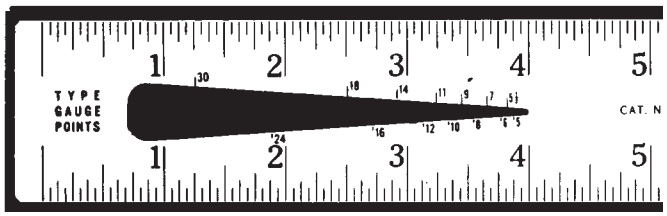
GRAPHIC ARTS RULERS

Rulers for general purpose, printers, and graphic artists.



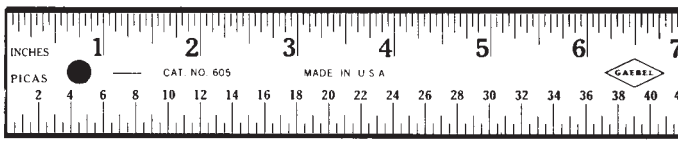
601 These two rulers have inches marked to sixteenths on the
602 front, with picas and lines on the back.

GB-601 12" Gaebel Ruler
GB-602 15" Gaebel Ruler



604 Same ruler as above except longer and wider (1-1/2").

GB-604 24" Gaebel Ruler

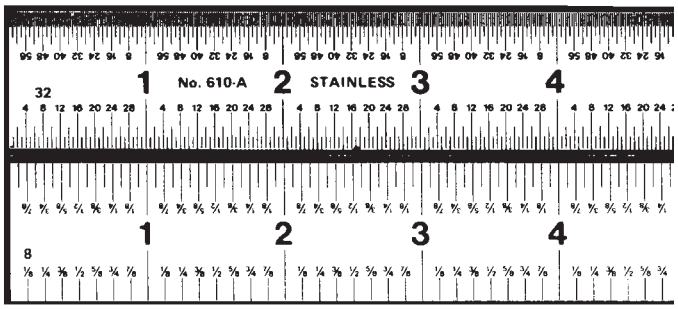


605 A 1-1/4" wide ruler that is one sided with inches on one side and picas on the bottom.

GB-605 36" Gaebel Ruler

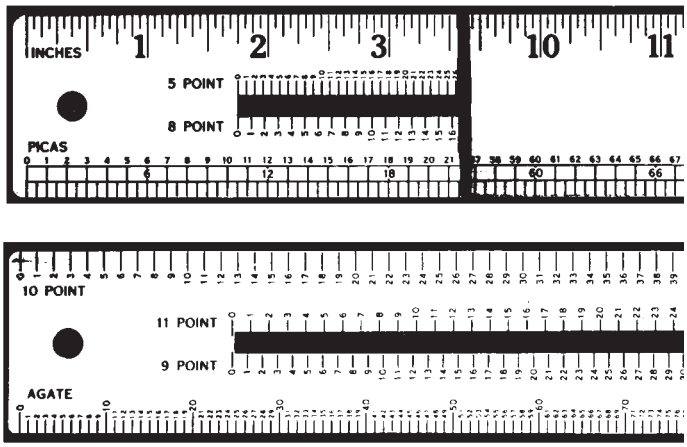
608 A narrow, flexible (7/8" wide) ruler graduated in 16ths and 32nds with sub zero end in 32nds and 64ths. One sided.

GB-608 24" Gaebel Ruler



610A A 1" ruler with the front side in 8ths and 16ths and the back in 32nds and 64ths. One sided

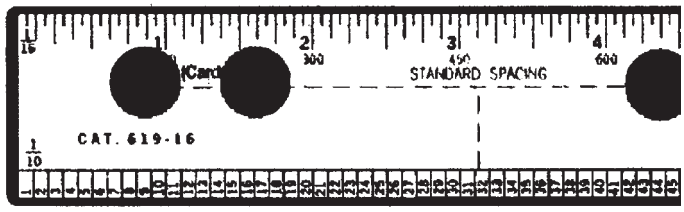
GB-610A 24" Gaebel Ruler



616 THE PUBLISHER

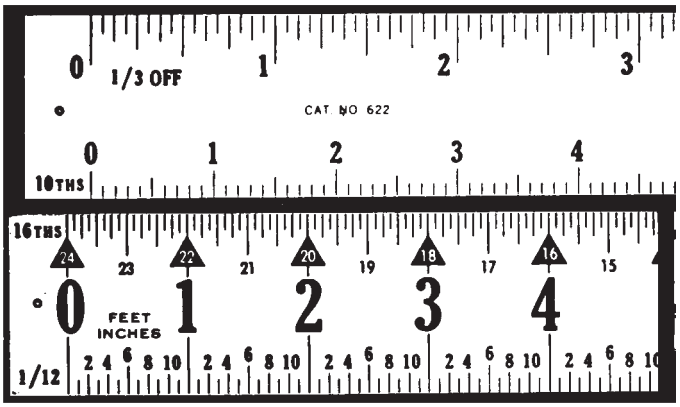
A 1-1/2" Publisher ruler with two 5" long slots. Front has inches, picas, 5-point, 5-1/2 point, 7 point and 8 point. Back side has 9 point, 10 point, 11 point, 14 point, 16 point, and agate.

GB-616 18" Gaebel Ruler



619D A forms ruler that is 1-1/4" wide with 1/16ths, 1/10ths numbered consecutively, 5/32nds, 6ths, and 12ths.

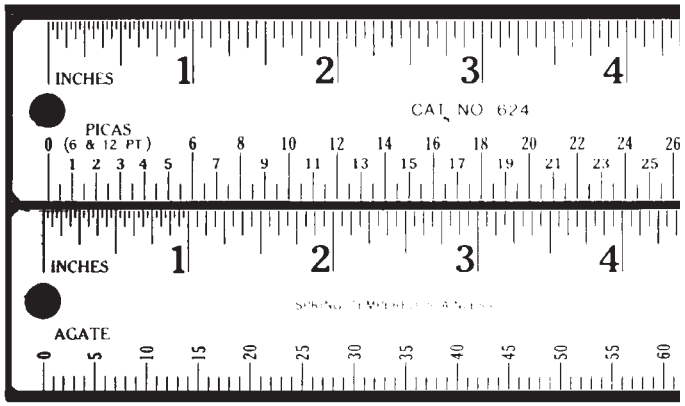
GB-619D 16" Gaebel Forms Ruler



AD ARTIST'S SCALE

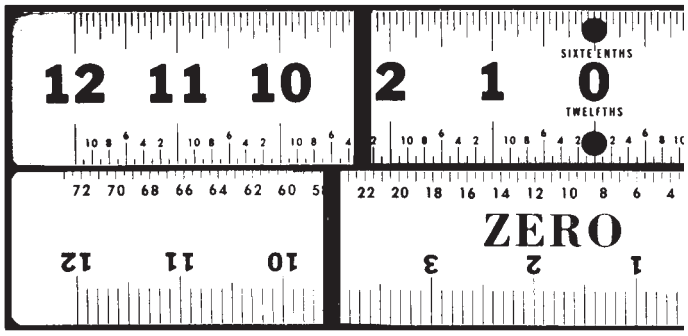
622 Two sided, 1-1/2" wide ruler with the front in 10ths and 1/3 off(artist scale), and the back with zero centering and 1/12 scale.

GB-622-24 24" Ad Artist's Gaebel Ruler



624 A two sided, 1-1/4" wide ruler with the front in inches and picas, and the back in inches and agate.

GB-624-12 12" Gaebel Ruler
GB-624-24 24" Gaebel Ruler



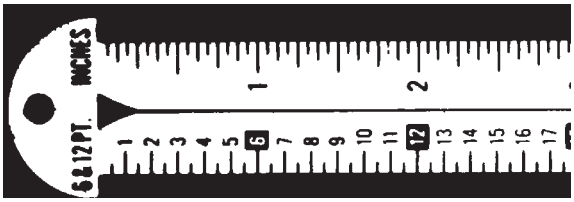
ZERO CENTER SCALE

627 A two sided, 1-1/2" wide ruler that has zero center scales on both sides. All scales read from center hole. Front in 16ths and 12th, back in 10ths and picas.

GB-627-24 24" Zero Center Scale
GB-627-36 36" Zero Center Scale

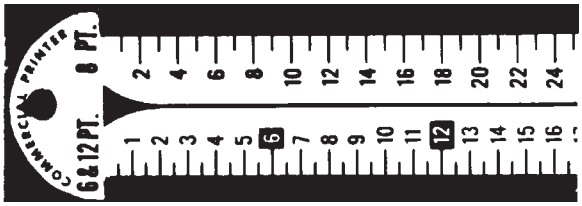
GAEBEL PRINTERS RULES

Gaebel stainless steel rulers with a special end that catches on the edge of printed stock for easy measuring.



612 A two sided ruler with the front in 6 & 12 point with inches. The back has 6 & 12 point with agate.

GB-612 12" Gaebel Ruler

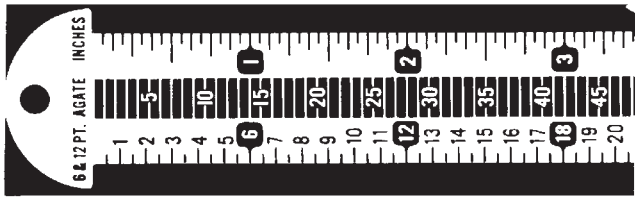


612A A two sided ruler with 6 & 12 point with 8 point on the front, and inches and 8 point on the back.

GB-612A-12 12" Gaebel Ruler

612F Similar to above. A two sided ruler 6 & 12 point on the front, with inches and agates on the back.

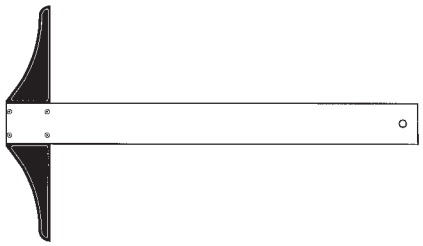
GB-612F-12 12" Gaebel Ruler



713 A one sided ruler with 6 & 12 point, inches, and agates.

GB-713 12" Gaebel Ruler

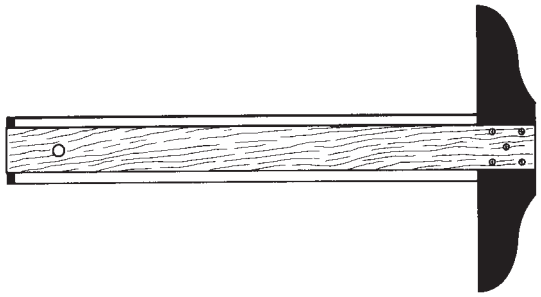
T-SQUARES



CLEAR PLASTIC T-SQUARE

A fixed head T-square that is completely made of clear plastic. This allows unhampered view of the subject matter. Special fitting of the arm to the head insures great rigidity and accuracy. By Mars.

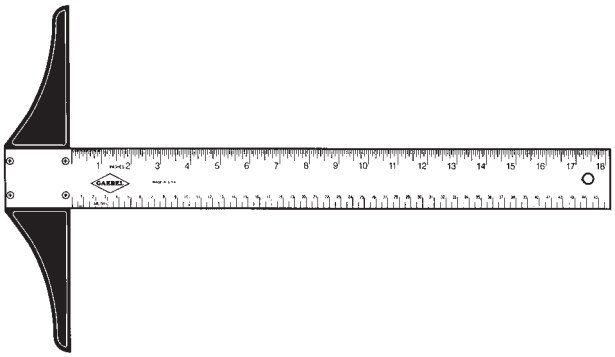
CT-FH-24 24" Clear Plastic T-Square



ACRYLIC EDGE T-SQUARE

Acrylic edges are bonded to hardwood blades by Koh-I-Noor. Plastic and hardwood are bonded together in a special process, leaving the edges elevated for inking. Attached to ebony hardwood heads.

MR-970-20-18 18" Acrylic Edge T-Square
MR-970-20-24 24" Acrylic Edge T-Square
MR-970-20-30 30" Acrylic Edge T-Square
MR-970-20-36 36" Acrylic Edge T-Square
MR-970-20-42 42" Acrylic Edge T-Square



ALUMINUM T-SQUARE

Hard aluminum blades that are accurately graduated on the edges. Markings are sharp and clear, plus blades are anodized and surface treated to minimize scratching and marking. Blades are 2" wide. By Fairgate

F63-118 18" Aluminum T-Square
F60-124 24" Aluminum T-Square
F60-130 30" Aluminum T-Square
F60-136 36" Aluminum T-Square
F60-142 42" Aluminum T-Square
F60-148 48" Aluminum T-Square

STAINLESS STEEL T-SQUARE

Stainless steel, tempered blades with beveled edges, and a fixed cast aluminum head. The blade is 1-1/2" wide with guaranteed accuracy.

CP-STS-18 18" Stainless Steel T-Square
CP-STS-24 24" Stainless Steel T-Square
CP-STS-30 30" Stainless Steel T-Square
CP-STS-36 36" Stainless Steel T-Square
CP-STS-48 48" Stainless Steel T-Square

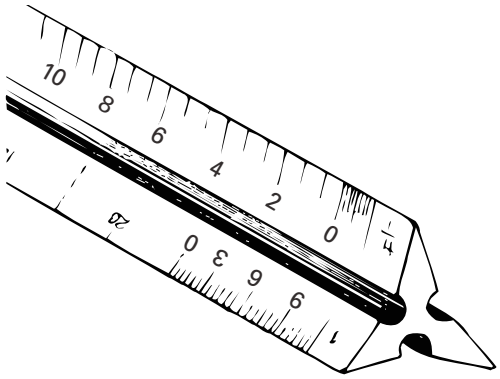
JR. 12 T-SQUARE

A clear plastic T-square with a fixed head that is calibrated in 16ths and millimeters. 12" length. Ideal for calligraphers.

CT-JR-12 12" Calibrated T-Square

TRIANGULAR SCALES

Rulers that are in the shape of a triangle when looking from the end. This allows more scales to be put on the same ruler.



ARCHITECTURAL SCALES

Architectural scales are divided in fractions to a foot. An example would be 1/8" equals one foot. All the following scales are 12" long with scales of 3, 1-1/2, 3/4, 3/8, 3/16, 3/32, 1, 1/2, 1/4, and 1/8, and one bevel in 1/16" to the foot.

C-THRU SCHOLASTIC SCALE

Heavy plastic scale with open, divided graduations. Color coded sides.

CT-TS-654 12" C-Thru Architectural Scale

C-THRU ECONOMY SCALE

An economy scale for students.

CT-TS-656 12" C-Thru Architectural Scale

ENGINEER SCALES

Engineer scales are divided in parts to the inch. An example would be 20 parts to the inch. All have the following scales: 10, 20, 30, 40, 50 and 60 parts to the inch.

C-THRU SCHOLASTIC SCALE

A heavy plastic scale with open, divided graduations. Color coded on three sides.

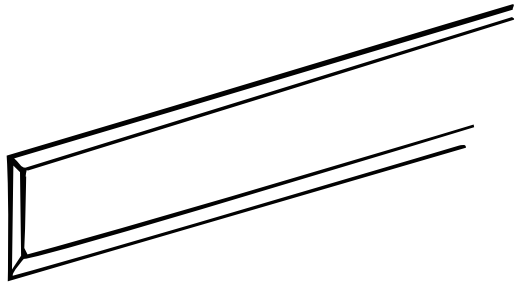
CT-TS-655 12" C-Thru Engineer Scale

C-THRU ECONOMY SCALE

An economy scale for students.

CT-TS-657 12" C-Thru Engineer Scale

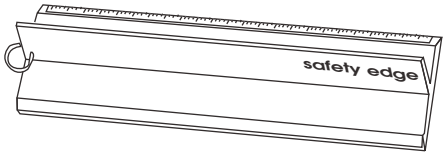
STRAIGHT EDGES



STAINLESS STEEL STRAIGHT EDGE

Stainless steel straight edges that are an extra heavy, .093" thick. Blades are 2" wide and have one beveled and one straight edge.

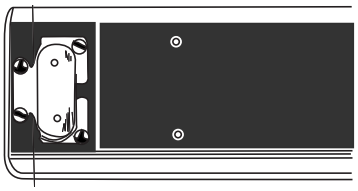
1618	18" Stainless Steel Straight Edge
1624	24" Stainless Steel Straight Edge
1630	30" Stainless Steel Straight Edge
1636	36" Stainless Steel Straight Edge
1642	42" Stainless Steel Straight Edge
1648	48" Stainless Steel Straight Edge
1660	60" Stainless Steel Straight Edge
1672	72" Stainless Steel Straight Edge



SAFETY EDGE

A uniquely designed tool that provides accurate straight lines, and accident free cutting. The Dahle Safety Edge's protective guard rail protects your fingers from careless injuries. The extra wide, non-skid rubber backing protects your art from accidental cuts or slipping while drawing straight lines. The precision graduated edge makes it perfect for use with a ruling pen. Easy to hold, use and hang for storage, the Safety Edge is a tool you won't want to be without.

DH-73312	12" Safety Edge
DH-73318	18" Safety Edge
DH-73324	24" Safety Edge
DH-73330	30" Safety Edge
DH-73336	36" Safety Edge
DH-73342	42" Safety Edge



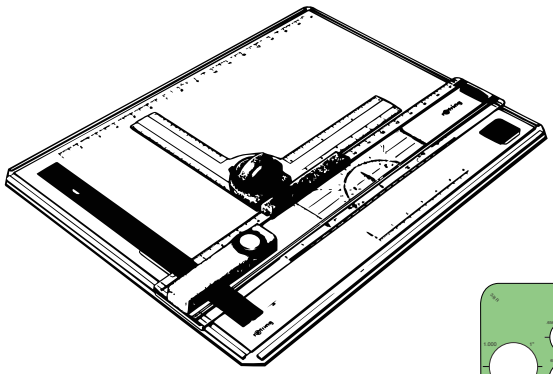
PARALLEL RULE

Paradraft parallel ruling straight edges have an ebony finish with a double thick phenolic blade with clear plastic edges. Parallel rules are faster and more precise than T-squares. Ball bearings make the rule float over the board and eliminate smudging. Slight pressure forces the ball bearings to retract and lock the rule in position. Includes all hardware necessary for mounting.

AL-1101-30	30" Parallel Rule
AL-1101-36	36" Parallel Rule
AL-1101-42	42" Parallel Rule
AL-1101-48	48" Parallel Rule

DRAWING BOARD

A portable drafting board that weighs only 32 ounces. Ideal for students or professionals, this durable drawing board comes complete with a newly designed locking straight edge for quick and accurate adjustments. Flush mounted clamps hold drawing media firmly, indoors or out. The optional protractor drawing head attaches easily to the straight edge. It sets and locks automatically in increments of 15 degrees. Board is 19-1/2x 14-3/4".



K-25434	Portable Drawing Board
K-25445	Protractor Drawing Head for 25434

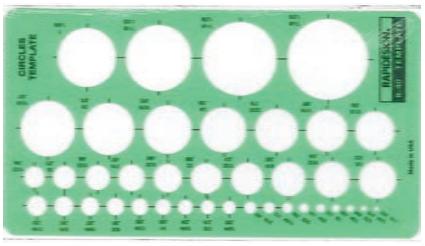
STUDIO DRAWING BOARD

Similiar to the above, but a slightly smaller (13x 18.5") and lighter weight version. Comes complete with a lockable, inch graduated straight edge. There are also graduated scales on the sides of the paper clamp. The optional drafting head is graduated in metric and attaches to the straight edge. It can be locked at any angle. For 11 x 17" media.

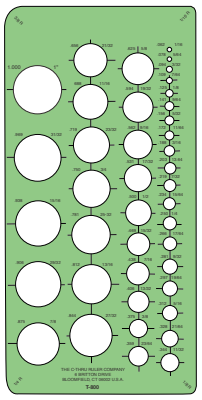
K-522130	Studio Drawing Board
K-522230	Drawing Head for 522130

TEMPLATES

Precision templates that help with all types of drawings. Designed for use with technical pens.



CP-R40



CT-T800

RAPIDESIGN CIRCLE TEMPLATE

Diameters from 1/16" to 11/32" in increments of 1/64". From 3/8" to 3/4" in increments of 1/32". From 7/8" to 1" in increments of 1/16". From 1-1/8" to 1-3/8" in increments of an inch. Transparent green color.

CP-R40	Circle template	4 x 7-1/4"

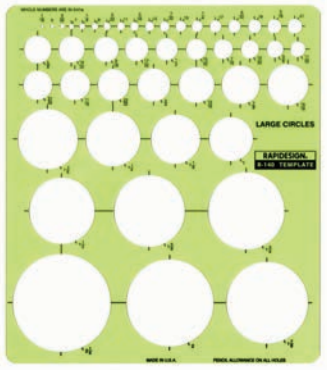
C-THRU CIRCLE TEMPLATE

Decimal and fractional measurements of 41 circles from 1/16" to 1" plus corner radii of 1/16", 1/8", 1/4" and 3/8".

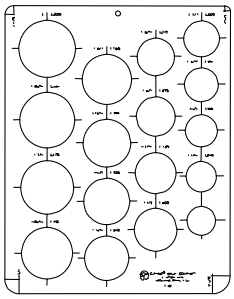
CT-T-800	Circle Template	4 x 8"

RAPIDESIGN COMBO CIRCLE TEMPLATE

A large circle template with 45 circles from 1/16" to 2-1/4".



CP-R140



CT-T801

CP-R140	Combo Circle Template	7-1/4 x 8-1/4"

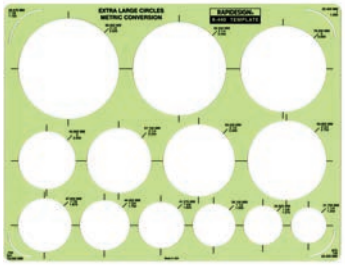
C-THRU LARGE CIRCLE TEMPLATE

Decimal and fractional measurements of 17 circles from 1" to 2" diameters, with corner radii of 3/16", 5/16", 1/2" and 5/8".

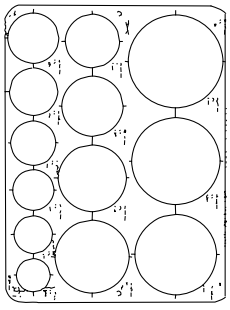
CT-T-801	Large Circle Template	8 x 10"

RAPIDESIGN LARGE CIRCLE TEMPLATE

A large circle template with 11 circles from 1-1/2" to 3-1/2" in varying increments.



CP-R440



CT-T826

CP-R440	Large Circle Template	11x8.5"

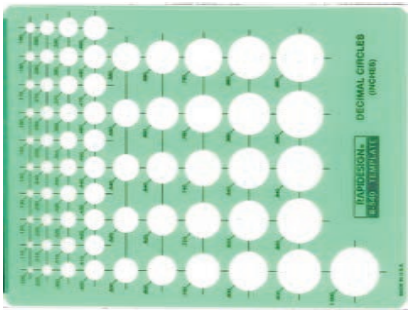
C-THRU JUMBO CIRCLE TEMPLATE

A template with very large circles from 1-1/2" to 3-1/2" diameters. Light green transparent color. 8-1/2 x 11".

CT-T-826	Extra Large Circle Template

RAPIDESIGN DECIMAL CIRCLE TEMPLATE

66 circles from .100" to 1.000". Diameter sizes from .100" to .500" in increments of .020". Increments of .010 and .020" are in horizontal rows and increments of .100" are in vertical rows.



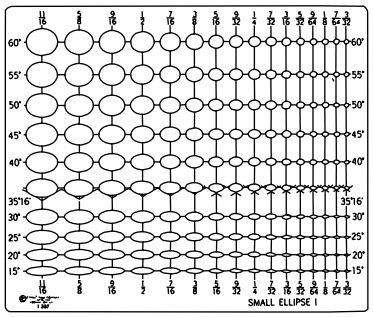
CP R540

CP-R540	Decimal Circle Template	6-1/8 x 8-1/8"

C-THRU SMALL ELLIPSE TEMPLATE #1

Features 160 ellipses from 3/32 to 11/16". From 15 to 60 degree projections in 5 degree increments.

CT-T-807 Small Ellipse Template #1 6-3/4 x 8"

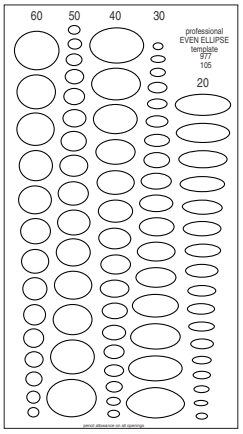


CT-T807

RAPIDESIGN ODD ELLIPSE TEMPLATE

Contains 60 ellipses from 1/4 to 1-3/8". Projections of 25, 35, 45 and 60 degrees. Transparent Green

CP-R77 Odd Ellipse Template 5 x 10-7/16"

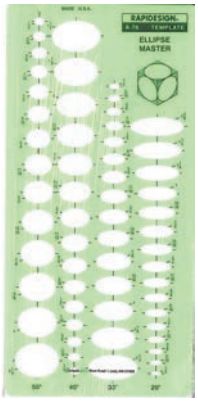


CP-R77

RAPIDESIGN EVEN ELLIPSE TEMPLATE

Contains 60 ellipses from 1/4 to 1-3/8". Projections of 20, 30, 40, and 50 degrees. Transparent Green

CP-R78 Even Ellipse Template 5 x 10-7/16"

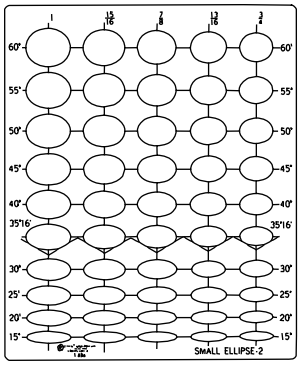


CP-R78

C-THRU ELLIPSE TEMPLATE #2

Features 50 ellipses from 3/4 to 1" in projections from 15 to 60 degrees in 5 degree increments.

CT-T-808 Small Ellipse Template #2 6-3/8 x 8"

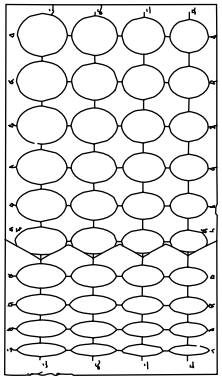


CT-T808

C-THRU SMALL ELLIPSE TEMPLATE #3

Features 40 ellipses from 1-1/8 to 1-1/2" with projections from 15 to 60 degrees in 5 degree increments.

CT-T-809 Small Ellipse Template #3 6-3/4 x 12-1/8"

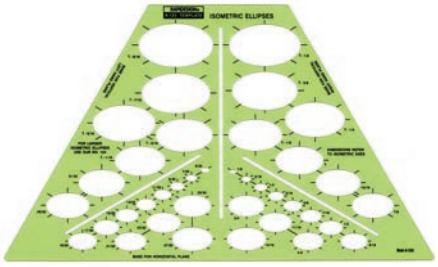


CT-T809

RAPIDESIGN ISOMETRIC ELLIPSE

38 ellipses from 1/8 to 2" in 35 degree 16 feet projection. Has 30 and 60 degree drawing edges relating to the 90 degree base and sides of the template

CP-R123 Isometric Ellipse Template 10 x 6-1/8"

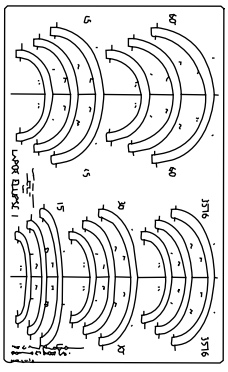


CP-R123

C-THRU LARGE ELLIPSE TEMPLATE #1

Ellipses drawn in halves from 1-3/4 to 3" in 1/4" increments.In projections of 15,30,45, and 60 degrees, plus 35 degrees 16 feet.

CT-T-810 Large Ellipse Template #1 5 x 8"

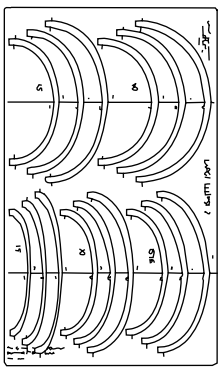


CT-T810

C-THRU LARGE ELLIPSE TEMPLATE #2

Ellipses drawn in halves from 3-1/4" to 4-1/2"in 1/4" increments. In projections of 15, 30, 45, and 60 degrees, plus 35 degrees 16 feet.

CT-T-811 Large Ellipse Template #2 6 x 10-1/8"

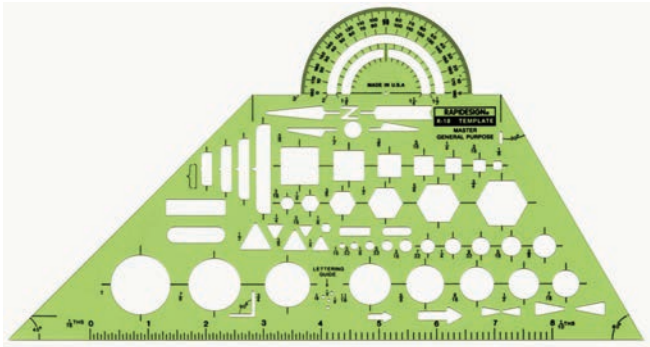


CT-T811

RAPIDESIGN GENERAL USE TEMPLATE

Includes 42 assorted shapes including circles, hexagons, squares, and triangles, plus a 180 degree protractor.

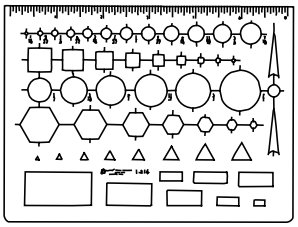
CP-R18 General Use Template 9.5 x 5.5"



CP-R18

C-THRU GENERAL PURPOSE TEMPLATE
Offers circles, squares, triangles, rectangles, and hexagons as well as an inch scale.

CT-T-816 General Purpose Template 6 x 10-1/8"



CT-T-816

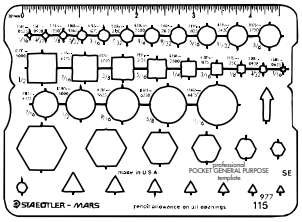
RAPIDESIGN SQUARE TEMPLATE
37 squares from 1/16 to 1-1/2" in various increments. Full dimensioning in fractional inches with decimal and milimeter equivalents

CP-R30 Square Template 8-5/8 x 5-13/16"

CP-R30

RAPIDESIGN POCKET PAL GENERAL PURPOSE
Contains full dimensioning in fractional inches with decimal and millimeter equivalents. Features circles, squares, triangles, and hexagons.

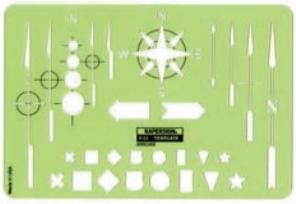
CP-R50 Pocket Pal General Purpose 5-1/8 x 3-5/8”



CP-R50

RAPIDESIGN ARROW TEMPLATE
Contains arrows, North indicators, traffic and road sign markers.

CP-R53 Arrow Template 7 x 4-1/8”



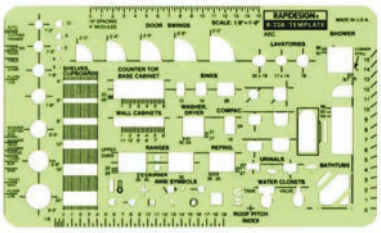
CP-R53

RAPIDESIGN ARCHITECTURAL SYMBOLS
Most common symbols used by architects, builders and contractors. Scale 1/4 to 1'.

CP-R33 Architectural Symbols 9-1/4 X 5-1/4"

RAPIDESIGN ARCHITECTURAL SYMBOLS
Same as above except 1/8” scale.

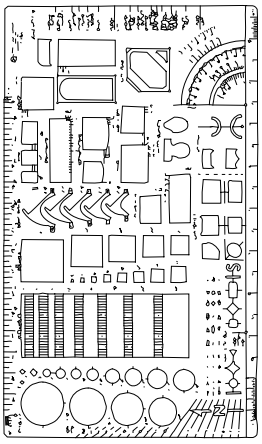
CP-R22A Architectural Symbols 9-1/4 X 5-1/4"



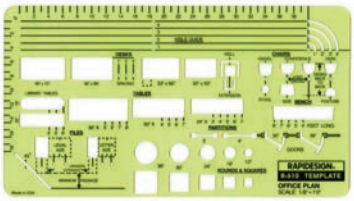
CP-R22 & R22A

C-THRU ARCHITECTURAL TEMPLATE
Incorporates all necessary openings, including fixtures and appliances, ASA symbols, roof pitch, gage, protractor feature with pitch, slope, rise, and run. Scale 1/4 " to 1'.

CT-T-806 Architectural Template 6 x 10"



CT-T-806



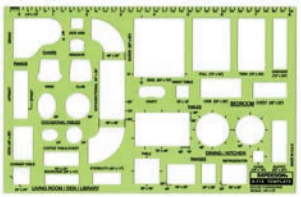
CP-R610

RAPIDESIGN OFFICE LAYOUT TEMPLATE
Symbols for most office furniture and equipment. Scale 1/4" to 1'.

CP-R610 Office Layout Template 8.75 x 5.5”

C-THRU OFFICE LAYOUT TEMPLATE
Has complete openings for furniture, accessories, partitions, door openings and fixtures in both 1/8" and 1/4" to the foot scales.

CT-T-804 Office Layout Template 6 x 10"



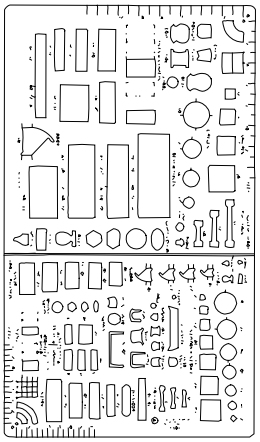
CP-R714

RAPIDESIGN HOUSE FURNISHING TEMPLATE
For planning furniture and appliance arrangements, or for rearrangement of existing layouts. 1/4" to 1' scale.

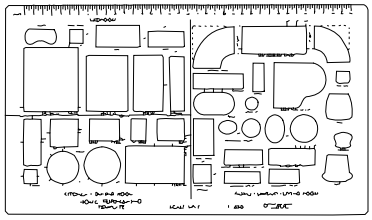
CP-R714 House Furnishing Template 8 x 5-1/2"

C-THRU HOUSE FURNISHING TEMPLATE
Complete openings for furniture and appliance arrangements in 1/4” to 1” Scale. Expedites planning kitchen, dining roon, family, library, living room and bedroom. One side Calibrated in 1/4” scale.

CT-T-830 House Furnishing Template



CT-T-804

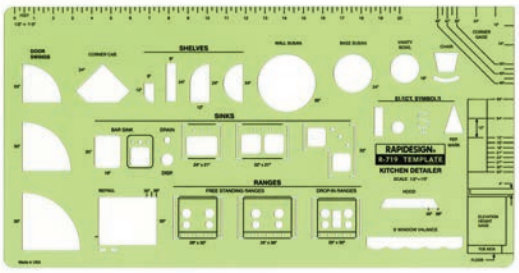


CT-T-830

RAPIDESIGN KITCHEN TEMPLATE

Symbols for kitchen cabinets and appliances. Bowls, sinks, appliances, corner and counter elevations, door swing, and lettering guides. 1/4" & 1/2"

CP-R719	1/2" Scale Kitchen Template	
CP-R720	1/4" Scale kitchen Template	

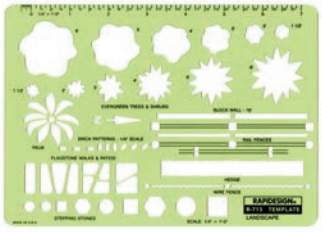


CP-R719/720

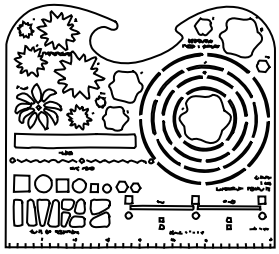
C-THRU LANDSCAPE TEMPLATE

Over 35 cut out symbols for landscape layout including trees, shrubs, flagstone for walks and terraces, etc. 1/4" to 1" scale. One side calibrated in 1/4" scale

CT-T-834	Landscape Template	8.25" x 7.25"



CP-R715



CT-T-834

RAPIDESIGN ELECTRIC DESIGN TEMPLATE

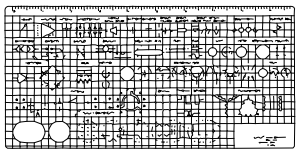
Circuit template combining standard logic, flow chart, electronic and electrical symbols

CP-R45	Electric Design Template	7.25 x 4.5"

C-THRU ELECTRICAL TEMPLATE

Scaled to .250 grid including semi-conductors, switches, tubes and components, transformers, coils, circuit breakers and others.

CT-T-805	Electrical Template	5 x 10-1/8"

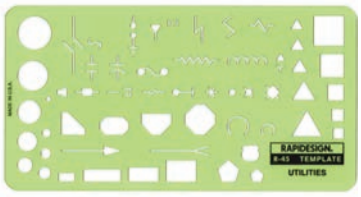


CT-T-805

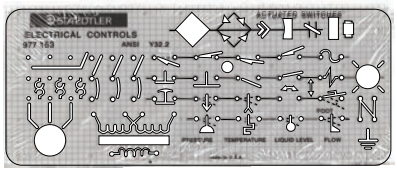
RAPIDESIGN ELECTRONIC CONTROL TEMPLATE

Symbols to assist in the depiction of circuits in electrically controlled machinery and electric automation of production process. ANSI Y32.2 specifications

CP-R312	Electric Control Template	



CP-R45

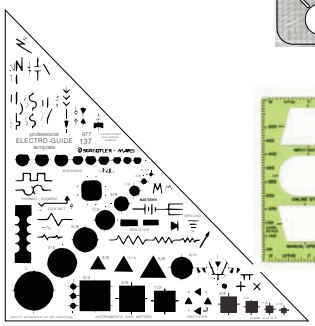


CP-R312

RAPIDESIGN ELECTRO MASTER TEMPLATE

Contains electrical and other symbols for utility, power and light fields.

CP-R375	Electro Master Template	8" 45/90 Triangle

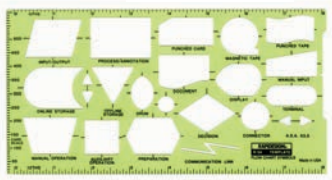


CP-R375

RAPIDESIGN FLOW CHART SYMBOLS

Flow chart symbols in seven sizes of each symbol for operation and flow process charts in accordance with ASME standard.

CP-R54	Flow Chart	5-5/8 x 3-11/16"



CP-R54

C-THRU COMPUTER FLOW CHART TEMPL.

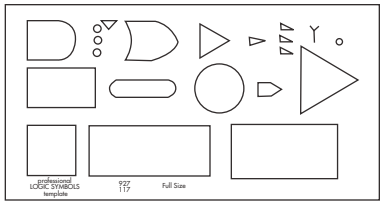
Complete set of computer flow symbols.

CT-T-803	Computer Flow Chart	

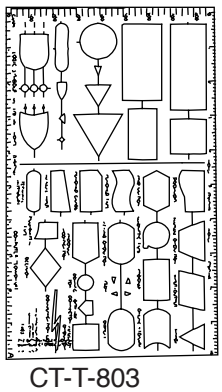
RAPIDESIGN STANDARD LOGIC TEMPLATE

Standard logic symbols for digital processing. MIL-STD 806, and Y322.14

CP-R542	Half Size Standard Logic	4-1/8 x 3 3/8"
CP-R543	3/4 Size Standard Logic	6 x 3-3/8"



CP-R541



CT-T-803

RAPIDESIGN LETTERING AID

Cut-outs for letter sizes 1/8, 5/32, 3/16 and 1/4". Guide lines for equidistant spacing.

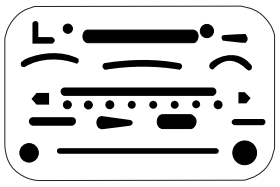
CP-R925	Lettering Aid	4 x 3"

CP-R925

ERASING SHIELDS

A template made of thin, flexible material with various shaped openings that allow exact erasure of those sections, lines, dots, curves, etc. that need removal. No sharp edges. 3-3/4 x 2-1/4".

MR-529-50 Mars Erasing Shield Stainless Steel

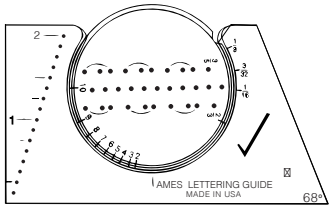


ERASING SHIELD

AMES LETTERING GUIDE

A template used to make guide lines for lettering. The range of heights can vary from 1/16 to 1-1/2". Also allows height of the letter to vary. Can also be used for cross section lines.

CT-ALG-1 Ames Lettering Guide



AMES LETTERING GUIDE

INSTRUMENTS

QUICK BOW SETS

These quick setting bow compasses adjust by pulling the legs apart, or pushing them together. Fine adjustment is made by turning the center wheel. The friction head holds the legs true. Available in several models.

KOH-I-NOOR QUICK SET BOW

A 6.5" giant bow with both legs jointed for circles up to 9.5" in diameter. Insert socket 4mm.

K-530135 Double Joint Quick Set Bow

K-530135

KOH-I-NOOR QUICK SET BOW

A 7" giant bow with both legs jointed for easy use with a technical pen. Double release buttons make for quick adjustment. For up to 15.75" circles. Insert socket 4mm.

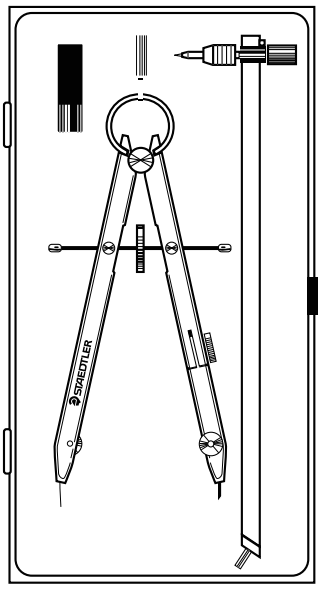
K-530115 Double Joint Quick Set Bow

K-530115

MARS SUPERBOW COMPASSES

A single leg joint bow that will draw up to a 14-1/2" diameter circle. Includes pen and pencil part in first number, pencil part only in second. Legs pull apart for rapid adjustment.

MR-552-01 Single Joint Quick Set Bow
MR-552-02 Single Joint Quick Set Bow W/Extension



MR-552-01

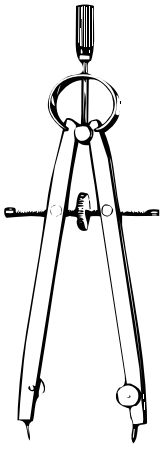
RING HEAD GIANT BOWS

Ring head bows feature a circular ring shaped spring that holds the legs in tension. Legs are opened and closed with double threaded center screw.

KOH-I-NOOR COMPASS

Draws an 9-1/2" diameter circle.

K-529130 Ring Head Bow



K-529130

KOH-I-NOOR COMPASS

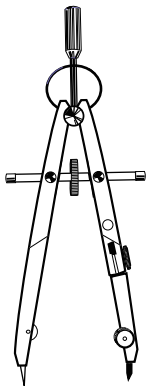
a 7" rapid adjustment compass that draws a 14" diameter circle.

K-529111 Ring Head Bow

MARS RING HEAD BOWS

Draws up to a 10" diameter circle, both are pencil bows. The first is solid, while the second has one leg jointed and the pencil part removable.

MR-551-WP-00 Single Joint Ring Head Bow
MR-551-40-WP No Joint Ring Head Bow



MR-551-WP-00

MARS SUPERBOW SETS

The following sets feature the Mars Superbow, quick bow. Accessories are as listed, and all sets have a handsome plastic case.

555-03 MARS SUPERBOW

Contains a superbow compass with pencil extension beam, technical pen holder, and spare parts.

MR-555-03 Mars Superbow

5561-09 MARS SUPERBOW SET

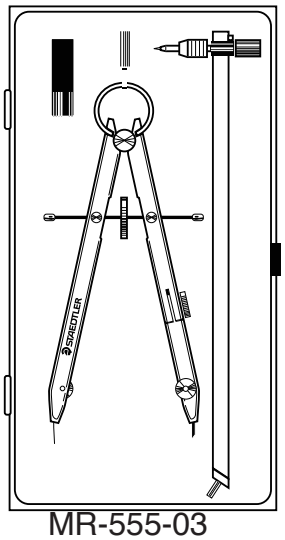
Contains a superbow with pencil part, pen part, a 6" extension bar, a 6" divider, a 4.5” small bow, plus a ruling pen handle.

MR-5561-09 Mars Superbow Set

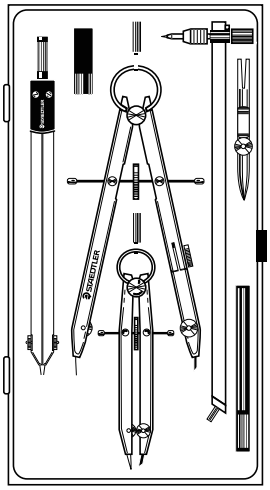
553-11 MARS SUPERBOW SET

Contains a superbow with pencil & pen parts, a 6" extension bar, a 6” divider, and spare parts.

MR-553-11 Mars Superbow Set



MR-555-03



MR-5561-09

MARS MASTERBOW SETS

These sets feature Mars Masterbow ring head compasses. Accessories are as listed, and all sets have a handsome plastic case.

551-09 MARS MASTERBOW SET

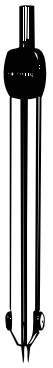
Contains a 6" Masterbow with pencil and pen part, 6" extension bar, 6" divider, ruling pen handle, 4" small pencil bow.

MR-551-09 Mars Masterbow Set

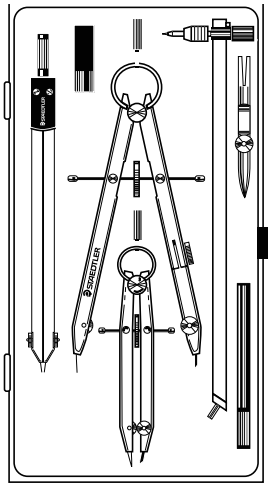
DIVIDERS

Friction dividers for precise measurement.

MR-5561-55-wp Mars 5-1/2" Divider



MR-5561-55



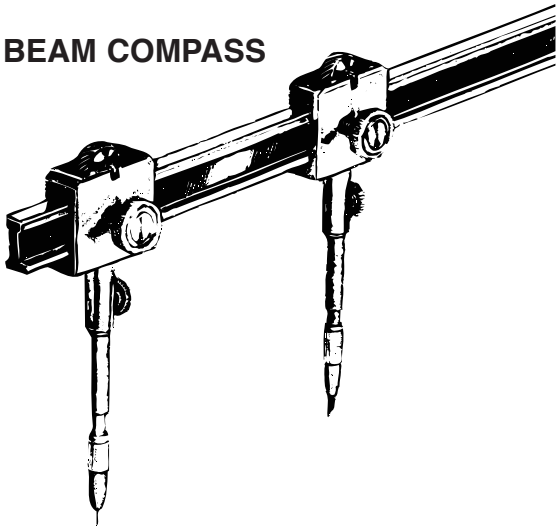
MR-551-09

KOH-I-NOOR BEAM COMPASS

A precision aluminum beam compass by Koh-I-Noor that consists of a 14" aluminum bar with fast acting sliders that can be micro-adjusted with a spring loaded geared wheel. Lock screws assure positive set. Includes divider, pen, and pencil points.

K-531100 Koh-I-Noor 14" Beam Compass

BEAM COMPASS



STUDIO EQUIPMENT

DRAWING TABLES
DRAWING BOARDS
BOARD COVERING
CHAIRS
TABORETS
FLAT FILES
LAMPS
PROJECTORS
LIGHT TABLES
ALUMINUM EASELS
WOOD EASELS
STEEL EASELS

ONYX TABLE

This contemporary fold away drafting table is perfect for home, office, or dormitory. The sturdy 1-1/2" diameter tubular steel frame is easy to set up and is available in either black or white powder coated finish that will last for years of service. Four telescoping legs allow the tabletop surface to easily adjust from 29" to 44" in the horizontal position and tilt from 0º to 45º. Fold away gate hinges permit the base to fold flat in seconds to 5" for convenient storage. Base and top ship in separate cartons. Tops are all white.

		Base	Wgt.
AL-ONX36-3	Onyx 24x36"	Black	36 lbs.
AL-ONX36-4	Onyx 24x36"	White	36 lbs.
AL-ONX42-3	Onyx 30x42"	Black	42 lbs.
AL-ONX42-4	Onyx 30x42"	White	42 lbs.

KING SIZE ONYX TABLE

A larger version of the Onyx table above that is perfect for home, office, or dormitory. The sturdy 1-1/2" diameter tubular steel frame is easy to set up and is available in either black or white powder coated finish that will last for years of service. Four telescoping legs allow the tabletop surface to easily adjust from 30" to 44" in the horizontal position and tilt from 0º to 45º. Fold away gate hinges permit the base to fold flat in seconds to 5" for convenient storage. Features a 12" x 39" stabilizing shelf and 44" metal pencil ledge. Base and top ship in separate cartons. Tops are all white.

		Base	Wgt.
AL-OXL48-3	Onyx 36x48"	Black	65lbs.
AL-OXL48-4	Onyx 36x48"	White	65 lbs.
AL-OXL60-3	Onyx 37-1/2x60"	Black	81 lbs.
AL-OXL60-4	Onyx 37-1/2x60"	White	81 lbs.

INTEGRA DRAFTING TABLE

A stylish tubular frame with quality construction makes the Integra a perfect choice for home, office, or studio. Features include a 1-1/2" tubular steel frame with height adjustment from 33" to 45" in the horizontal position. The angle adjusts from 0º to 50º plus a built in floor rest crossbar with rubber tread. Available in black or white powder coat finish with a white warp-free Melamine® table top,

		Base	Wgt.
AL-NTA42-3	Integra 30x42"	Black	43lbs.
AL-NTA42-4	Integra 30x42"	White	43 lbs.
AL-NTA48-3	Integra 36x48"	Black	58 lbs.
AL-NTA48-4	Integra 36x48	White	58 lbs.

PROFESSIONAL TABLE

Features include a 1" square tubular steel frame with height adjustment from 29" to 45" in the horizontal position. Folds quickly to 4" wide. The angle adjusts from 0º to 45º. Available in black or white powder coat finish with a white warp-free Melamine® table top,

		Base	Wgt.
AL-XI-3-XB	Prof. 31x42"	Black	50 lbs.
AL-XI-4-XB	Prof. 31x42"	White	50 lbs.
AL-XII-3-XB	Prof. 36x48"	Black	64 lbs.
AL-XII-4-XB	Prof. 36x48	White	64 lbs.

FOLD-A-MATIC TABLE

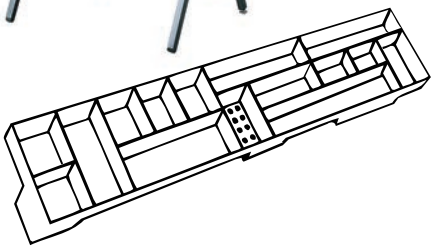
The most adjustable table we have found. You can literally sit on the floor, sit on a chair, or stand up and this table will adjust to you. Features include a 1" square tubular steel frame with height adjustment from 34" to 47" in the horizontal position. Folds quickly to 4" wide. The angle adjusts from 0º to 90º. Available in black or white powder coat finish with a white warp-free Melamine® table top,

		Base	Wgt.
AL-XV-3-XB	Fold 24x36""	Black	43 lbs.
AL-XV-4-XB	Fold 24x36""	White	43 lbs.
AL-XX-3-XB	Fold 31x42"	Black	58 lbs.
AL-XX-4-XB	Fold 31x42"	White	58 lbs.

OPTIMA ART TRAY

A European design ABS plastic storage tray for all your tools and accessories. Mounts on any table, comes with mounting brackets for standard tables.

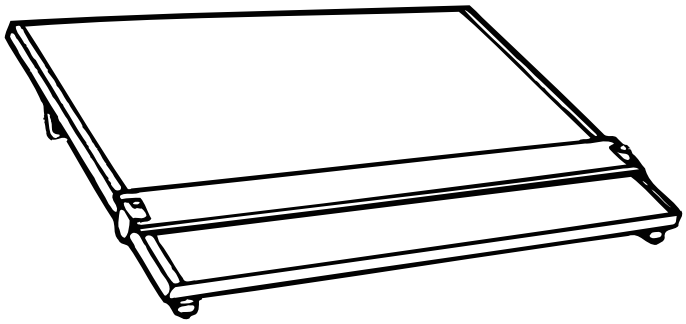
NW-356-07	Optima Art Tray Black
NW-356-08	Optima Art Tray White



PARALLEL RULE BOARD

A professional board with plated steel end channels. This board has been mounted with a parrallel straight edge rule of Maple with an acrylic clear edge. Has fold away legs so board can be set at an angle when placed on a table.

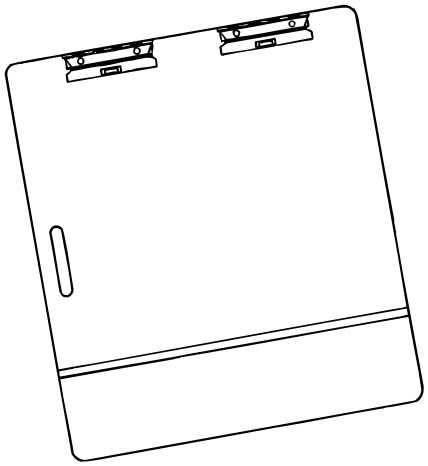
AL-PXB24	18 x 24" Parallel Rule Board
AL-PXB31	23 x 31" Parallel Rule Board
AL-PXB36	24 x 36" Parallel Rule Board
AL-PXB42	30 x 42" Parallel Rule Board



SKETCH BOARD WITH CLIP

A field sketching board of lightweight Masonite that has oversize clips mounted on it. Holds individual sheets or pads. An oversize rubber band holds the bottom securely. There is also a hand hole cut for easy carrying.

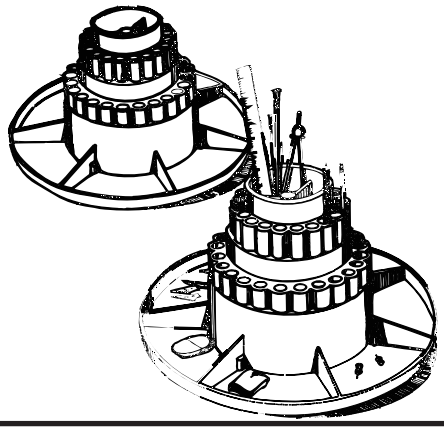
JR-400410	Sketch Board with Clip	11 x 17"
JR-400411	Sketch Board with Clip	18 x 18"
JR-400413	Sketch Board with Clip	23 x 26"



ROTO-TRAY

Roto-Tray is the original rotating plastic recepticle that holds all the items you need in a 10 inch circle. Ideal for brushes, pens, knives, inks, etc. Eliminates clutter in your work area while keeping your tools visible.

CT-TV-B	Roto-Tray Ebony



LAMPS

SWING ARM LAMP

An inexpensive swing arm lamp with a 34" reach. Features a 100 watt porcelain socket. Available in (1) Black or (2) White

LS-105-X Swing Arm Lamp

COMBO LAMP

A swing arm lamp with both a circular 22 watt fluorescent lamp and a 100 watt porcelin incandessent lamp socket. Provides a nice blend of warm and cool light. The swing arm has a 45" reach. Available in (1) Black or (2) White.

LSC-160-X Combo Lamp

FLUORESCENT LAMP

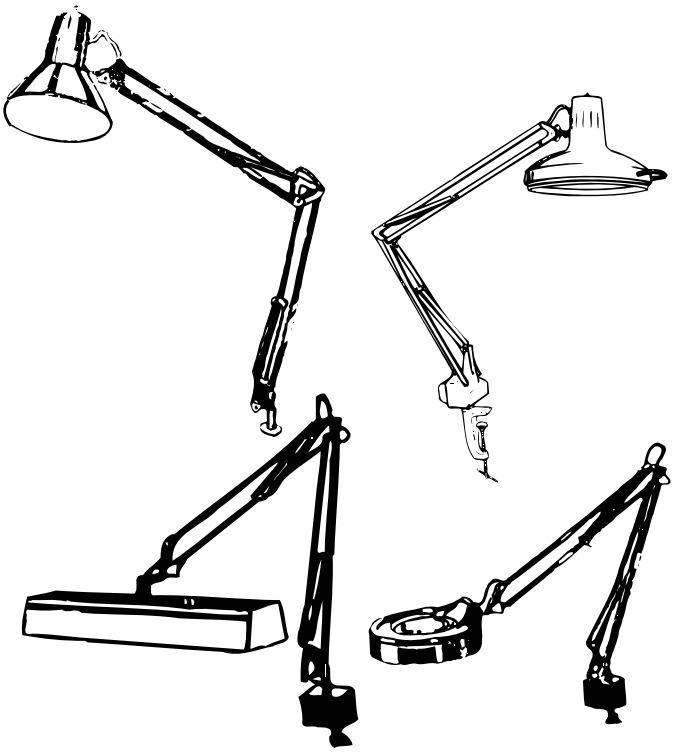
A swiing arm lamp with two 15 watt fluorescent lamps. The swing arm has a 45" reach. Available in (1) Black or (2) White.

LSF-150-X Fluorescent Lamp

MAGNIFIER LAMP

A swiing arm lamp with both a circular 22 watt fluorescent lamp and a 5" diameter either 3 or 5 diopter magnifier lens. Ideal for close inspection work. The swing arm has a 45" reach. Available in (1) Black or (2) White.

LSM-180-X Magnifier Lamp, 3 Diopter
LSM-182-X Magnifier Lamp, 5 Diopter



FLAT FILES

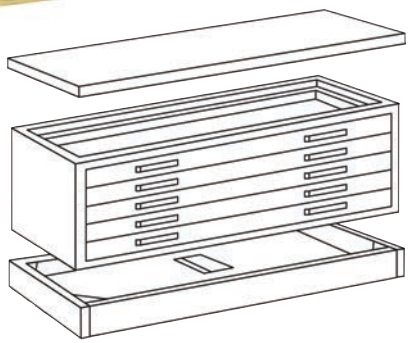
FLAT FILES

Flat files provide a reliable place to store valuable graphics. Units are modularly styled for customized use. Units feature solid oak construction with tempered hardboard drawer bottoms.

AL-2436-5D 16-5/8 x 40 x 27-3/4
AL-2436-C Cap
AL-2436-FB Flush Base

AL-3042-5D 16-5/8 x 46 x 33-3/4
AL-3042-C Cap
AL-3042-FB Flush Base

AL-3648-5D 17-5/8 x 52 x 39-3/4
AL-3648-C Cap
AL-3648-FB Flush Base



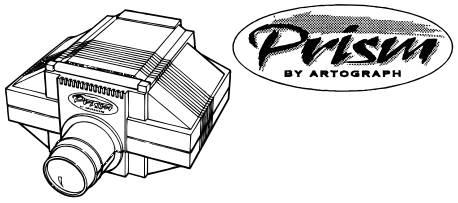
TABORETS

It's easy to keep these natural oak taborets next to you for maximum convenience with their heavy-duty dual-wheel casters and manageable size. Constructed with the highest quality oak and oak veneers, all drawers are made with superior drawer material and smooth, two-sided tempered hardboard bottoms. Drawers slide smoothly on wood drawer guides and are fitted with solid brass pulls. Taborets are finished with multiple coats of furniture-grade lacquer. Available in two styles. 3-Drawer style has three shallow drawers and an adjustable shelf. 5-Drawer has three shallow drawers (1¾"), one deeper (4½"), and one extra deep (7½").

AL-TB300 3 Drawer 27-1/2" h x 17-5/8 w" x 17-3/8" d
AL-TB500 5 Drawer 27-1/2" h x 17-5/8 w" x 17-3/8" d

PROJECTORS

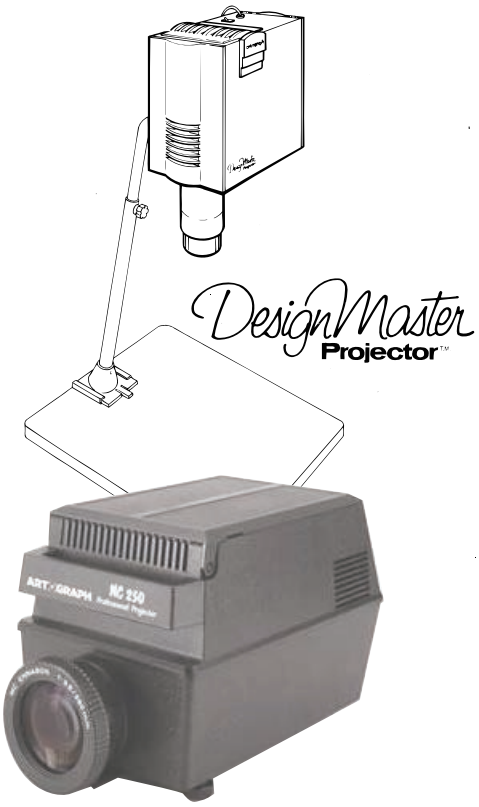
PRISM & SUPER PRISM



Lightweight and compact, the Prism is designed as a direct projector to eliminate hours of tedious scaling. These top loading projectors allow oversize material to slide for full illumination. Project horizontally to 2000% or on the optional, vertical table stand from 300% enlargement to 55% reduction. The Super Prism features a super quality f/4.5 lens for extra sharp imaging.

ART-225-090	Prism Projector
ART-225-190	Super Prism Projector
ART-225-205	Prism Table Stand
ART-225-350	Projector Floor Stand
ART-225-335	Drawing Platform (225-205 Stand Required)
ART-225-197	Prism Super Lens Upgrade for Prism

DESIGN MASTER & DES MAST II



This advanced design projector offers up to 1500% horizontal projection or 350% enlargement to 75% reduction when mounted on the drawing platform. Two steel clips hold copy to the 6 x 6" copy board. A micro switch automatically turns lights off when the copy box door is opened. The Design Master II features twice the illumination (500 watts) of the standard model, and a 200mm ground optical glass lens.

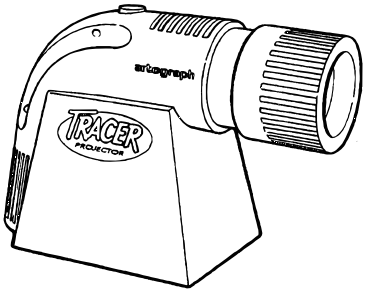
ART-225-323	Design Master
ART-225-322	Design Master II
ART-225-350	Projector Floor Stand
ART-225-335	Drawing Platform

MC-250 PROJECTOR

The ultimate projector for clarity and brightness, ideal for the professional who demands the best in image quality. The superior quality lens of the MC 250™ allows you to enlarge artwork up to 15 times with incredible sharpness and detail. It is unsurpassed for enlarging photos, designs, etc. onto walls, canvas, or any vertical surface. At only 7 pounds this ultra compact model is easy to position and store, and doesn't require much space for projection. A 10 times enlargement needs only 10' of projection range. Fan cooling also allows for projection for long periods. The top-loading 6" x 6" copy area with removable cover easily accommodates oversize artwork or 3D objects allowing for an almost endless list of applications. The MC 250 also features a 300 watt halogen lamp for a whiter and brighter image (approx. life of 75 hours). Simple… Just plug it in, and adjust the focus by turning the threaded lens barrel. Dark room required.

ART- 225-152 MC-250 Projector

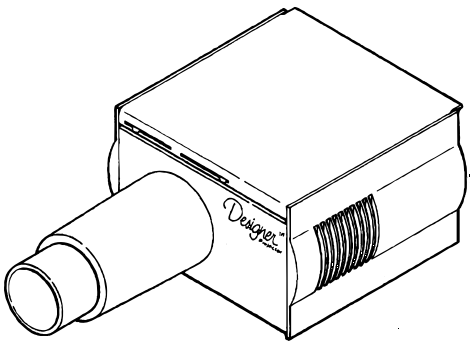
TRACER



A low cost solution for sizing and visualizing. Enlarges up to 10 times with a 5 x 5" copy area. A light weight and portable projector for accurate horizontal projection. Oversized pieces can be projected in sections. Features a 100 watt bulb and single element 200mm lens.

ART-555-360 Tracer Projector

DESIGNER



The Designer™ offers dual reduction and enlargement capabilities with one lens. Enlarges up to 30 times and reduces down to 70% the original size. Simply mount your pattern, design or photograph onto the underside of the projector lid. Your image is reduced or enlarged instantly with clarity and in full color for your drawing pleasure. Features 6 x 6" copy area and 250 watt phoiro quality illumination. Dark room required

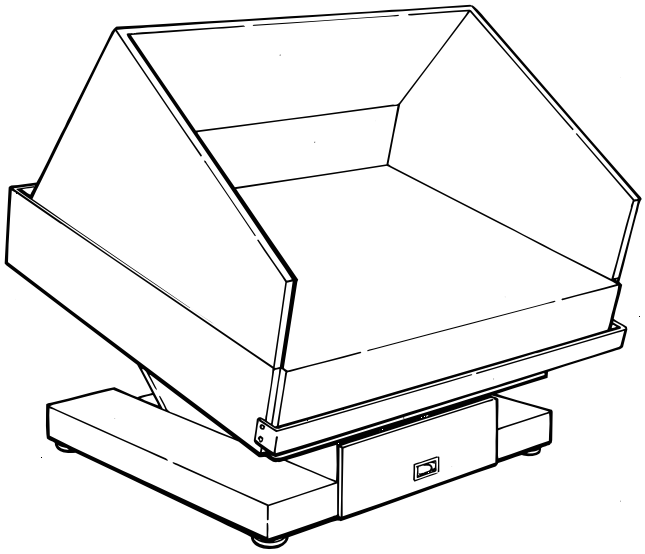
ART-225-354 Designer

SPRAY SYSTEMS

2025 GRAPHIC ARTS

The Artograph 2025 commercial spray collector is ideal for collecting over spray from aerosol adhesives, fixatives, and paints. Designed for the commercial artist, graphic studio and schools. The system has four separate filters to maximize particle removal. A unique prefilter, inexpensive polyester film on a continuos roll, and activated carbon for a final filter. Eliminates the mess of over sprayed particulates that can soil an office. Reduces noxious odors from aerosols. A two speed air blower pulls spray though filters

AOG-225-325	Model 2025 Spray System
AOG-225-329	#25ED Exhaust Adapter
AOG-200-575	Replacement Hood
AOG-225-326	#25 Pre-Filter Roll 25" x 50yd.
AOG-225-327	#25 Filter Pack (4ea. mid filter & Poly carb pads)
AOG-225-328	#25 Activated Carbon Filter
AOG-225-330	#25 High Efficiency Activated Carbon Filter



1530 HOBBY BOOTH

Unique spray booth ideal for the model builder or designer. The 15" x 30" (38 x 76 cm) spray booth (accommodates objects up to 28" long and 13" wide) is ideal for reducing the over spray and odors from aerosol or airbrush painting. The 1530 offers a three-stage filter system: a replaceable pre-filter sheet, which captures the bulk of the sprayed materials, thick polyester mid-filter and a polyester/carbon filter. The built in exhaust adapter can be outfitted for venting out-of-doors. The 1530 features a metal hood with a clear window for excellent illumination and a perforated front edge for hanging small parts.

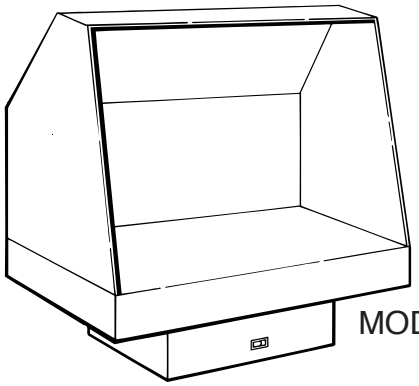
AOG-225-345	Model 1530 Hobby Spray Booth
AOG-225-346	Pre-Filter (20 sheet plg.)
AOG-225-347	Filter Pack (4 ea. mid-filter & poly carb pads)
AOG-225-348	Pre-filter Roll Tray
AOG-225-349	Pre-filter roll 30” x 50yd,

MODEL 1530

1520 COMPACT BOOTH

An economical over spray collector for the hobbyist and budget minded user. A 15 x 20" work surface is perfect for trapping spray from adhesives, fixatives, and finishes. Draws 185 cubic feet per minute of air flow to make sure no over spray escapes.

AOG-225-315	Model 1520H Spray System
AOG-200-572	#15 Replacement hood
AOG-225-356	#15 Pre-Filter Roll 20" x 50yd.
AOG-225-317	#15 Filter Pack (4ea. mid filter & Poly carb pads)
AOG-225-316	#25 Pre-Filter (20 sheet pac



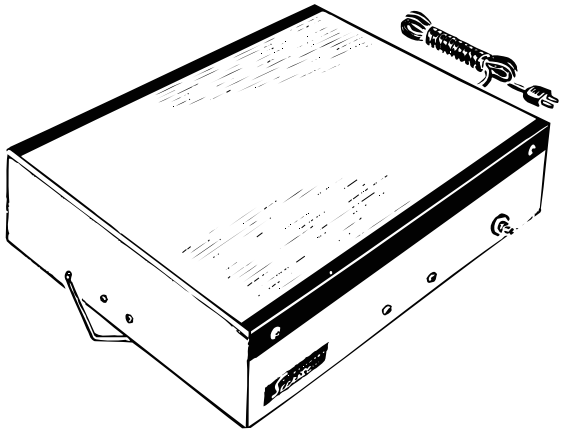
MODEL 1520H

LIGHT BOXES

SEERITE LIGHT BOXES

These portable light boxes have hundreds of uses in the studio or print shot. Ideal for lining up positives and negatives, examining transparencies or slides, cutting film or masks, negative opaquing, overlays, etc. units feature metal body with carrying handle that doubles as a tilt leg. The top is of heavy acrylic that will acept glass for cutting (not included) via sliding angle bars. All are UL approved with eight foot cord and on/off switch. Daylight fluorescent lamps included.

ST-PC1512-DY	11-1/2x15-3/8" Light Box
ST-PC1624-DY	16 x 24" Light Box
ST PC2436-DY	24 x 36” Light Box



GRAPHTEC DIGITAL PLOTTERS/CUTTERS

GRAPHTEC
GRAPHTEC AMERICA, INC.

CraftROBO

The CraftROBO and CraftROBO Pro are the result of years of research and improvements that allowed Graphtec to produce a professional quality cutting plotter to the deskop.

CE5000MK2

The Graphtec CE5000-60 (24") and CE5000-120 (48") engineering class cutting plotters update the extremely successful CE3000Mk2 series with improved features, as well as a cleaner, "greener" electronic design and manufacturing process to minimize the environmental impact of the equipment throughout its life cycle.

FC8000MK2

The new FC7000MK2 series is available in five model configurations: FC7000MK2-75 30”, the FC7000MK2-100 42”, the FC7000MK2-130 54”, the FC7000MK2-160 64” and the series newest size: FC7000MK2-60 24”. Maximum compatible media widths for each model are 30.3”, 36”, 48”, 60”, and 72” respectively.

FC2240

The FC2240 Large Format flatbed cutting plotter is available in 47" x 36" and 68.5" x 36" table sizes, with optional tool head configurations and material hold-down systems. Dual Head Design features 1000 grams and 500 grams maximum down force for more efficient marking and cutting workflows.

INKJET PRINTERS

Epson 1400 Inkjet Printer

The Stylus Photo 1400 is Epson's newest Professional grade desktop printer. Best for that small shop or individual who wants professional results.

Epson R1900 Inkjet Printer

The Epson Stylus Photo R1900 is an advanced 13" Wide desktop printer for Professionals. Developed from the popular R1800 but with the focus on better black ink printing, this model is ideal for producing dense film positives on the smaller scale.

Epson Stylus Pro 4880 Inkjet Printer

The Epson Stylus Pro 4880 is an advanced 17" Wide desktop printer. Best for those who want to take the next step into professional film output on a larger scale

Note: The 4880, 4800 and the 4000 are virtually identical when comparing sizes and output quality. The 4000 and 4800 have been discontinued by Epson and replaced by the 4880.

Epson 7880 Inkjet Printer

The Epson Stylus Photo 7880 is an advanced 24" Wide printer. Truly profesional output at a large scale.

Epson 9880 Inkjet Printer

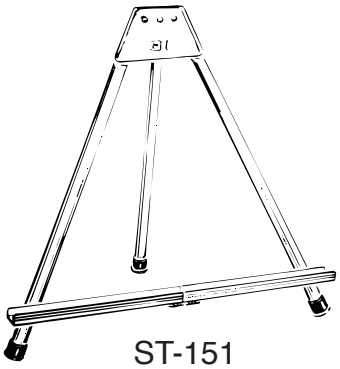
The Epson Stylus Photo 9880 is an advanced 44" Wide professional printer best suited for high production shops or shops that specialize in large format printing.

ALUMINUM EASELS

151 ALUMINUM TABLE EASEL

A light weight table easel made from corrugated aluminum tubing. There are rubber tips for rigidity, and a folding canvas tray for canvas up to 20 x 24". Also ideal for displays. In individual poly bags for hanging.

ST-151 Aluminum Table Easel

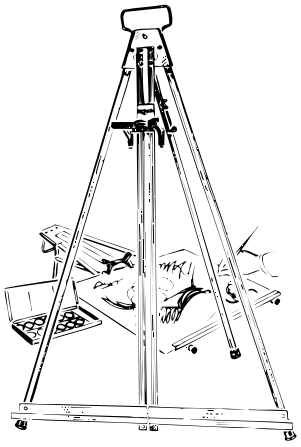


ST-151

160 ALUMINUM TABLE EASEL

A heavier aluminum table easel with adjustable "Auto-Lock" canvas holding device. Back leg opens to any angle. For canvas up to 20 x 36" and also displays. Individually boxed.

ST-160 Aluminum Table Easel



ST-160

100 STANDARD TRIPOD EASEL

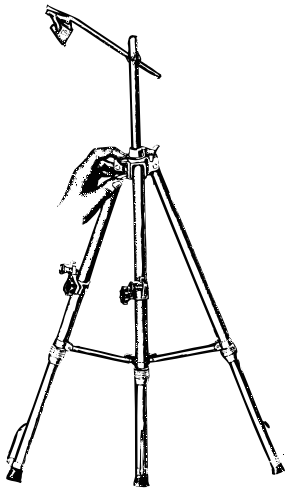
A sturdy, rigid deluxe model for the studio, or outdoors. Has 3/4" and 5/8" diameter aluminum legs, with jam-proof locking clutches. Equipped with "Auto-Lock" spring type canvas holder. Extends to 6'9" and folds to 32" while weighing only 3 lbs., 8 oz.

ST-100 Standard Tripod Easel

250 SUPER TRIPOD EASEL

A mid-range easel with tripod legs of 5/8" and 1/2" with jam-proof locking clutches. Extends to 6'8" while folding to 32". Has "Auto-Lock" spring type canvas holder. Weighs 2 lbs. 14 oz.

ST-250 Super Tripod Easel

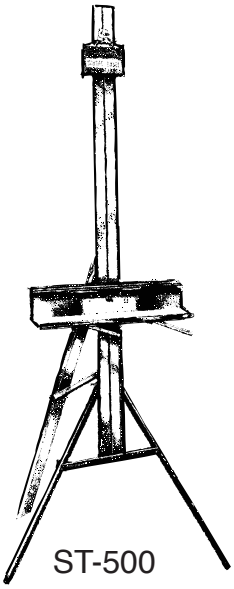


ST-100 & 250

500 CLASSIC STUDIO EASEL

A sturdy studio easel that can be set up or folded in two minutes. Equipped with adjustable "Auto-Lock" spring type canvas holder, and a sliding utility tray (21" long) with built in palette holder. Built for canvas up to 48" high (larger with extension unit). Has rubber tips on the leg bottoms. Ideal for home or studio.

ST-500 Classic Easel
ST-12 12" Extension



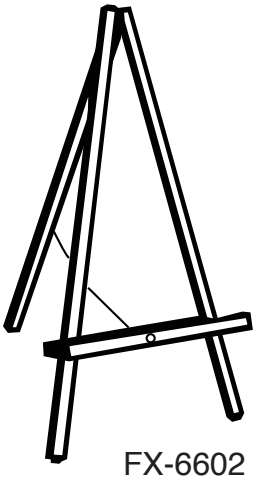
ST-500

WOOD EASELS

#2 WOOD TABLE TRIPOD EASEL

A table top tripod easel that folds for easy storage. Made of select quality dark stained wood, it stands 25" high and will hold canvases up to 22" high. The two piece tray clamps at any height, and the rubber tipped feet prevent slipping. Also excellent for display. By Tara.

FX-6602 Tara #2 Wood Table Top Tripod Easel

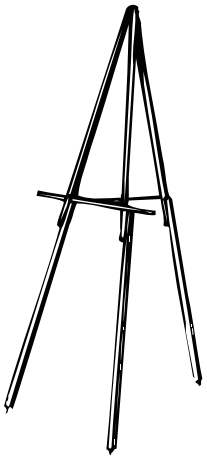


FX-6602

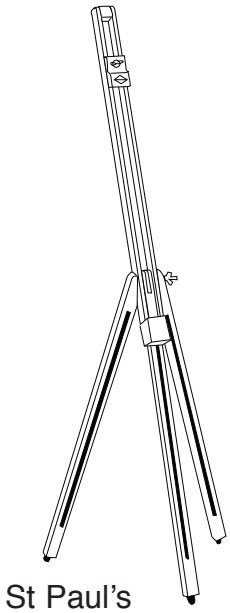
TRIPOD FOLDING EASEL

An inexpensive tripod wood easel that is popular with hobbyists and beginners. Sturdily constructed of select wood, walnut stained or plain wood, with plated hardware, metal pins for outdoor use, rubber caps for indoor use, and an adjustable 2" tray. Also ideal for lectures and displays. 66" tall, folds to 35".

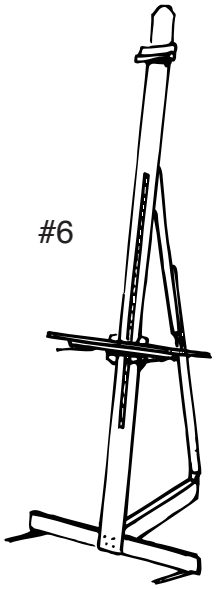
FX-6605 Tara #5 Folding Easel Plain Wood
FX-6610 Tara #10 Folding Easel Walnut Stained



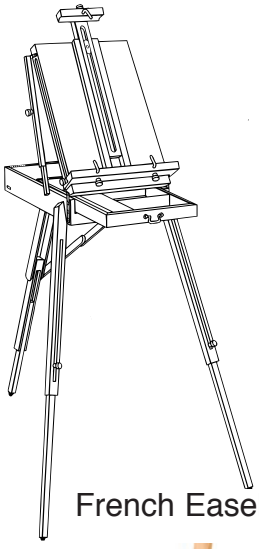
Tripod



St Paul's



#6



French Easel

A Frame

H Frame

#6 TARA STUDIO EASEL

A softer wood easel with a sanded finish. A Screw clamp knob and groove arrangement makes up and down adjustment very easy. Overall height is 78". Folds for storage

FX-6606 #6 Tara Studio Easel

ST PAUL'S EASEL

Constructed of oiled beech wood, this field easel is compact, portable, and easy to set up. For transport, simply fold and secure the tripod legs with the leather strap and buckle. Hardware allows for easy angle and height adjustment. Legs are tipped with non-skid rubber feet. Holds canvases up to 42" high. Overall measurements: 38" x 38" x 76".

DR-802-000-032 St Paul's EaselArtist

HERITAGE FRENCH EASEL

This is a world famous, finest quality, combination Sketch Box - Easel-Canvas Carrier in the French style. Made from oiled elm wood, precision hand crafted in the best tradition of cabinet work. The sketch box is easily converted to an easel by unfolding the legs and adjusting to the desired height and position. The canvas carrier section can be raised or lowered to the desired height, or set at any angle from forward to vertical to flat for oil or watercolor painting. Two finished canvases (each up to 33") may be carried in the canvas carrier section with the legs folded up. The drawer is metal lined for colors, brushes and accessories, and locks closed to prevent loss of contents. Includes a wood palette.

AL-HWE208 French Combination Easel

HERITAGE™ A-Frame Easel

Constructed of select oiled beech wood, the A-Frame easel is a three-legged studio easel that's designed to be stable and sturdy. It features an easy-slide canvas holder on top for clamping the canvas and a simple ratchet control that adjusts canvas height and angle. Holds canvases up to 47" high. Folds flat for storage. Overall measurements: 26" x 41" x 91".one side to keep supplies within arm's reach. Drawer is lined with aluminum for easy cleanup and also features adjustable compartments. Top and bottom canvas holders both telescope for maximum flexibility. Also adjusts to various painting angles. Holds canvases up to 33" high. Overall measurements: 15" x 16" x 5".

AL-HWE136 A Frame Easel

HERITAGE™ H-Frame Easel

This heavy-duty studio easel is constructed of oiled beech wood for good looks and durability. The H-frame design provides very rigid support for canvases up to 55" high. The shelf and height adjust using a simple ratchet control. It also features a handy tray below the canvas ledge to store supplies neatly. Folds flat for storage. Overall Constructed of oiled beech wood, this field easel is compact, portable, and easy to set up. For transport, simply fold and secure the tripod legs with the leather strap and buckle. Hardware allows for easy angle and height adjustment. Legs are tipped with non-skid rubber feet. Holds canvases up to 42" high. Overall measurements: 38" x 38" x 76".

AL-HWE150 H Frame Easel

ETCETERA

KNIVES
BLADES
KNIFE SETS
HOBBY TOOLS
SCISSORS
TRIMMERS
CUTTING BASE
MAT CUTTERS
PRE-CUT MATS

NON-GLAS
FRAMES
SCREEN PRINTING
ETCHING
SCULPTURE
SPRAY PAINT
RUB N' BUFF
FABRIC PAINT
WHITE GLUE
HAND CLEANER
ART BOXES
PORTFOLIOS
DRAWING KITS
BOOKS

#6 GRIFHOLD KNIFE

A light weight aluminum handle knife with replacement blade and 5" overall length. Handle is 1/4" in diameter. Uses GR-0006B or X-0204 blades. Ideal for film cutting in schools.

GR-0006	Grifhold #6	Light Knife

#1 STYLE KNIFE

The most popular knife from X-Acto, the #1 knife is an aluminum handle that is 4-7/8" long and comes with a #11 blade. Has unlimited uses from professional graphic artists to hobbyists and accepts a variety of blades including #11, #10, #21, #12, #13, #14, #17 and #18.

X-3201	X-Acto #1 Knife	Carded
X-3001	X-Acto #1 Knife	Bulk w/Safety Cap
GR-0007	Grifhold #7 Knife	Card

#2000 X-ACTO KNIFE

A new rubberized comfort grip knife with anti roll wedge and center barrel release. Has unlimited uses from professional graphic artists to hobbyists and accepts#1 knife blades.

X-3722	#2000 Knife Cranberry	Carded
X-3723	#2000 Knife Royal Blue	Carded
X-3724	#2000 Knife Black	Carded

GRIPSTER STYLE KNIFE

A new rubberized comfort grip knife with anti roll design. Rear blade release for easy safe replacement. Has unlimited uses from professional graphic artists to hobbyists and accepts a #1 knive blades.

X-3623	X-Acto Gripster	Red
X-3626	X-Acto Gripster	Blue
X-3627	X-Acto Gripster	Black

CUT-ALL KNIFE

The Cut-All knife by X-Acto is similar to the #1 knife, except that it has a plastic handle. This handle tapers toward the rear and is attached to an aluminum chuck. Uses the same blade as the #1 knife. All are carded.

X-3290	X-Acto Cut-All	Black

#3 X-ACTO KNIFE

A knife with a gold tone barrel and a screw on cap that clips to your pocket. Comes with a #10 blade.

X-3203	X-Acto #3 Knife	Carded

#24 STENCIL KNIFE

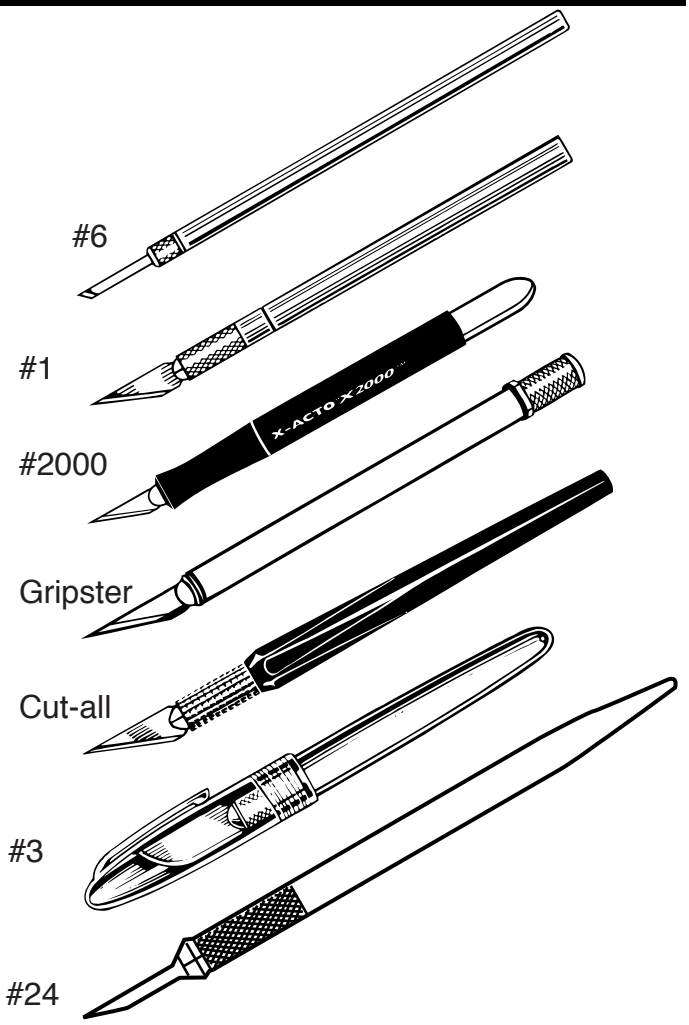
The Grifhold #24 knife is unique in that it will take both flat and round shank blades. Round shank blades are sometimes preferred by professionals because they are easier to sharpen. Features screw release clutch that holds the same blades as the #1 knife as well as the #24 series of blades by Griffin.

GR-0024	Grifhold #24 Knife	Carded

#2 X-ACTO KNIFE

The #2 knife has a slightly larger diameter handle than the #1, and uses larger shank blades. Has screw lock front clutch for blade release. Uses #2, #15, #18, #19, #22, #23, #24, #25, #26, #27 and #2 assortment blades.

X-3202	X-Acto #2 Knife	Carded



#5 X-ACTO KNIFE

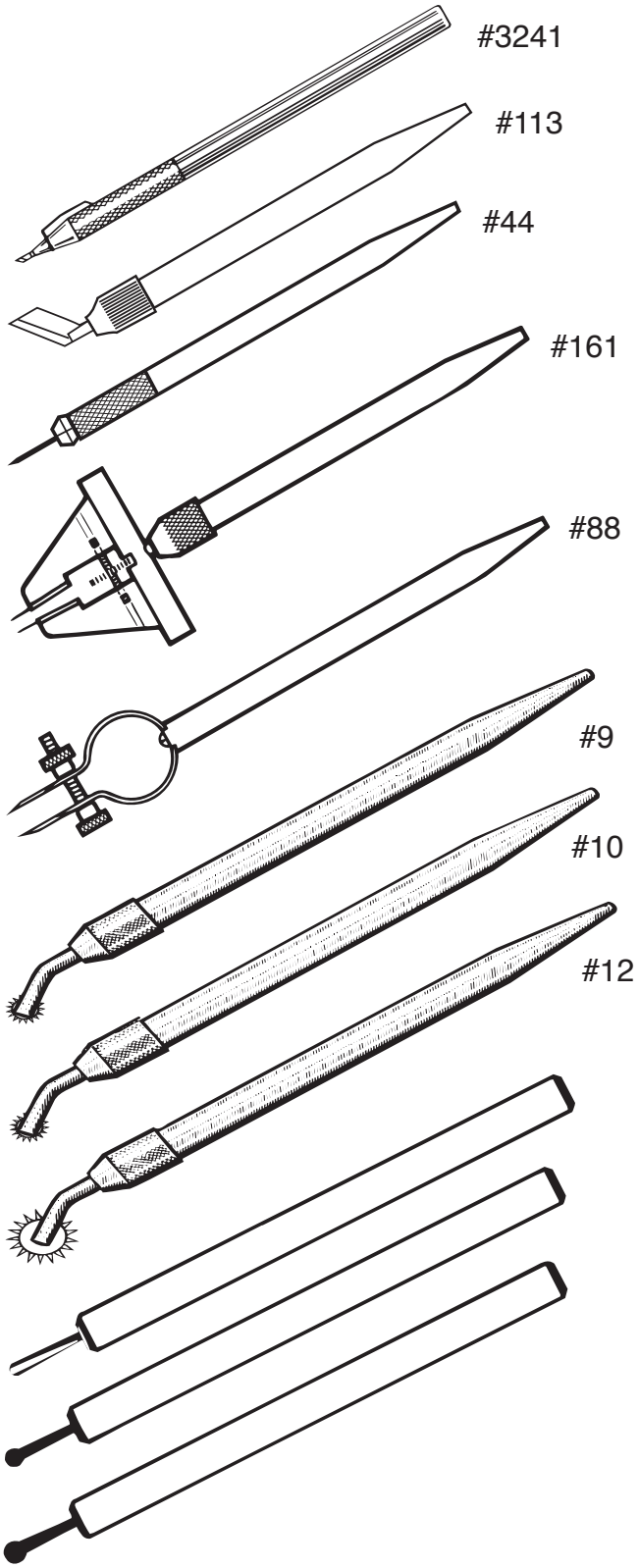
A heavy duty knife with a red plastic handle that is 4-1/4" long. Comes with a #19 blade, and uses the same blades as the #2 knife plus razor saw blades. Ideal for hobby and craft work.

X-3205	X-Acto #5 Knife	Carded

#9 RETRACTABLE KNIFE

This all metal knife features a retractable push button release blade with a positive lock when open. Designed for delicate, close work demanding accuracy. Comes with handy pocket clip. Uses #9 blades only.

X-3209	X-Acto #9 Retractable	Carded



SWIVEL

#3241 X-ACTO CRAFT SWIVEL

The craft swivel knife has an anodized aluminum handle with cap and a blade that rotates 360 degrees easily. Ideal for paper and friskets. Uses X-Acto #241 blades only.

X-3241	X-Acto Craft Swivel Knife	Carded

#113 GRIFHOLD SWIVEL

An all aluminum knife that cuts arcs, curves, etc. in film or paper. Uses Grifhold #113B blade only.

GR-0113	Grifhold Swivel Knife	

DUAL CUTTERS

#88 DUAL CUTTER

A double blade knife that makes parallel cuts quickly and easily. Rapid adjustment from very fine to 1/2" is made at the turn of a screw. Ideal for cutting lines on masking film, screen films, stencils, type strips (from strip type setting machines), and stencils. Blades are not replaceable.

GR-0088	Grifhold Dual Cutter	Carded

#161 DUALFLEX CUTTER

The Dualflex is a double blade knife with flexible spring action for making parallel cuts. The tempered steel blades are encased in an adjustable spring platform. Press more heavily on one blade (as in curves), and the spring effect compensates, holding the opposite blade to the cutting surface, eliminating waver. The light weight aluminum head has a swivel for cutting circles, scrolls, and curves. Ideal for stencil film, type strips, etc. Line width is adjustable from very fine to 5/8". Uses Grifhold #161B blades.

GR-0161	Grifhold Dualflex Cutter	Carded

SPECIALTY

#44 PIN VISE

An all aluminum handle that holds #44P pins or drill bits up to 1/16" Ideal for fine scribing, retouching, stenciling, or perforating. Pin retracts into handle when not in use, carded.

GR-0044	Pine Vise	Carded
GR-0044-P	Pins for above	Carded

POUNCE WHEELS

A pounce wheel is made up of a handle that holds a small wheel with little teeth. The teeth on the wheel put a line of holes in paper they are rolled over. Usually the wheel is rolled over a pre-drawn design. The design becomes a pattern that can be held against an object and tapped or pounced with a bag of charcoal. This puts the pattern on the object. Carded.

GR-0009	1/4" Pounce Wheel, 21 Teeth/Inch
GR-0010	1/4" Pounce Wheel, 15 Teeth/Inch
GR-0012	7/16" Pounce Wheel, 15 Teeth/Inch

BLADES

These are the replacement blades for the knives listed on the previous pages. They are divided into three sections by the size of the handle chuck that they fit. Packaging is listed in four ways: Tuck box packaging is a unit of blades wrapped in paper. Carded blades are in a plastic tray on a blister card. A safety dispenser is a package of blades in a plastic box with a side compartment for disposal of used blades. Finally, the Bulk Pack is a unit of 100 blades in a paper box.

FOR SMALL HANDLES

These blades fit the popular light weight handles. Knives they fit include the X-Acto #1, #3, Super #1, Cut-All, #1 SGK, and the Grifhold #24. They also fit other brands of comparable knives.

#10 X-ACTO BLADES

A rounded edge blade for general cutting, carving, and correcting stencils.

X-0210	#10 Blades, Carded	Pkg. 5
X-0610	#10 Blades	Pkg. 100

#11 X-ACTO BLADES

An extremely sharp angled point for fine cutting and stencil cutting. Also ideal for masking films.

X-0211	#11 Blades, Carded	Pkg. 5
X-0411	#11 Blades, Safety Disp.	Pkg. 12
X-0611	#11 Blades, Bulk Pack	Pkg. 100

#7E GRIFHOLD BLADES

The same blade as the #11 with an extremely sharp angled point for fine cutting and stencil cutting. Also ideal for masking films. High quality at a lower price.

GR-0007E	#7E Blades, Carded	Pkg. 5
GR-0007E-100	#7E Blades, Bulk Pack	Pkg. 100

#11 X-ACTO BROAD TIP

Same shape and use as the #11 blades above, except in A Broader Point for extra strength.

X-0291	#11 Broad Blades, Carded	Pkg. 5
X-0691	#11 Broad Blades, Bulk	Pkg. 100

#16 X-ACTO BLADES

An angle edge blade with an off set point. Popular for stenciling, scoring, etching, and film cutting.

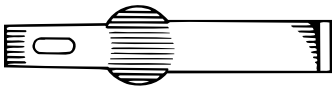
X-0216	#16 Blades, Carded	Pkg. 5
X-0416	#16 Blades, Safety Disp.	Pkg. 12
X-0616	#16 Blades, Bulk Pack	Pkg. 100

#7F GRIFHOLD BLADES

The same blade as the #16 with an extremely sharp angled point for fine cutting and stencil cutting. Also ideal for masking films.High quality at a lower price.

GR-0007F	#7F Blades, Carded	Pkg. 5
GR-0007F-100	#7F Blades, Bulk Pack	Pkg. 100
GR-0007F-1000	#7F Blades, Bulk Pack	Pkg. 1000

#17 X-ACTO BLADES



A 1/4" wide chisel blade for narrow cuts.

X-0217	#17 Blades, Carded	Pkg. 5

FOR LARGE HANDLES

These following blades fit the common heavier handle knives. Knives they fit include the X-Acto #2, #5, #6, and the #3261 Woodcarving handle, plus other brands of similar knives.

#2 X-ACTO BLADES

An extremely sharp, angled point for fine cutting and stencil cutting. Ideal for masking films.

X-0202	#2 Blade, Carded	Pkg. 5
X-0402	#2 Blade, Carded	Pkg. 12

#18 X-ACTO BLADES

A 1/2" wide chisel blade for deep cross cuts and scraping.

X-0218	#18 Blades, Carded	Pkg. 5

#24 X-ACTO BLADES

An angled point used for close corner cuts, templates, mats, deburring, trimming, stripping, gasket cutting etc.

X-0224	#24 Blades, Carded	Pkg. 5
X-0624	#24 Blades, Bulk Pack	Pkg. 100

SPECIALTY BLADES

LIGHT WEIGHT BLADES

A light weight blade that is ideal for stencil cutting. Fits the Grifhold #6 knife. Same blade offered from both companies.

GR-0006-B	#6 Blades, Carded	Pkg. 5

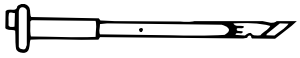
SPECIALTY BLADES

#8 X-ACTO BLADES

A refill for the #8 Utility knife.

X-0208	#8 Blades, Carded	Pkg. 5

#9 X-ACTO BLADES



Refill blades for the #9 Retractable knife.

X-0209	#9 Blades, Carded	Pkg. 5

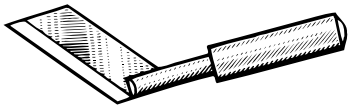
CRAFT REFILL BLADES

Refill blade for the X-Acto Craft Swivel knife #3241

X-0245	Craft Swivel Blade	Pkg. 2

113-B GRIFHOLD SWIVEL

Replacement blade for the Grifhold #113 Swivel knife.



GR-113-B	#113 Grifhold Blade	

24-E GRIFHOLD STENCIL

A round shank blade that is angled to a fine point. Ideal for film cutting, stencils, and other fine work. Fits the Grifhold #24 knife. Carded.

GR-0024-E	Grifhold Stencil Blades	Pkg. 5

24-A & B GRIFHOLD ETCH

Round shank blades sharpened to either the right or left edge. This makes scribing and etching easier. Fits Grifhold #24 handle. Carded.

GR-0024-A	Grifhold Right Hand Etcher	Pkg. 5
GR-0024-B	Grifhold Left Hand Etcher	Pkg. 5

24-F COMPASS CUTTER

A round shank blade with a tapered blade. Shape and diameter are designed to replace lead in a compass for cutting circles in film. Will also fit into lead holders for standard 2mm leads. Carded.

GR-0024-F	Grifhold Compass Blades	Pkg. 5

161-B DUALFLEX BLADES

Replacement blades for the Grifhold #161 Dualflex cutter.

Hvy. DUTY SNAP OFF BLADE

Fits the large snap off blade knife. For canvas, card, polyester and acetate, posters, mats, etc. Provide a continous sharp blade.

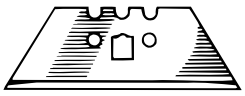
X-243	Heavy Duty Snap Off Blade	Pkg. 5
X-443	Heavy Duty Snap Off Blade	Pkg. 10

Lt. DUTY SNAP OFF BLADE

Fits the small snap off blade knife. For canvas, card, polyester and acetate, posters, mats, etc. Provide a continous sharp blade.

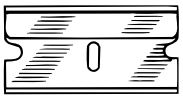
X-244	Light Duty Snap Off Blade	Pkg. 5
X-444	Light Duty Snap Off Blade	Pkg. 10

UTILITY BLADES



Heavy duty utility blades that fit X-Acto as well as most brands of utility knives. Carded.

X-0292	Utility Blades, Carded	Pkg. 5
X-0492	Utility Blades, Safety	Pkg. 15
X-0692	Utility Blades, Bulk	Pkg. 100



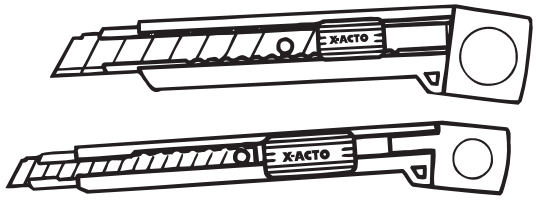
#9 & #12 RAZOR BLADES

Single edge razor blades for a variety of cutting. #12 blades are heavier than #9 and recommended for mat cutters.

X-0270	#9 Razor Blades	Pkg. 5
50-5086-9	#9 Razor Blades Bulk	Pkg. 100
50-5087-0	#12 Razor Blades Bulk	Pkg. 100

UTILITY KNIVES

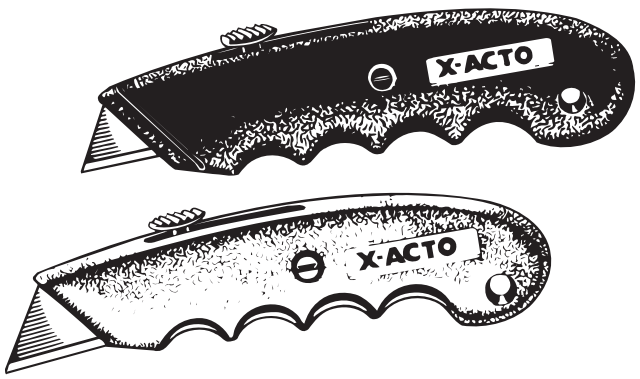
SNAP-OFF BLADE KNIFE



Heavy duty and light duty models for any kind of cutting. Both feature continuous snap-off blades for uninterrupted sharp cutting, and a slide lock mechanism with rigid metal safety sleeve. There is a storage compartment for extra blades, and both come with two extra blades. Carded

X-3243	Heavy Duty Snap-Off Blade Knife
X-3244	Light Duty Snap-Off Blade Knife

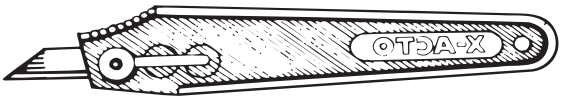
HVY DUTY UTILITY KNIVES



An ideal mat or heavy duty utility knife. All models feature a textured surface with a pistol grip that is shaped to fit the hand and not slip. Available in metal or plastic body models both with retractable blades. Adjustable cutting depths to suit the job, and a large slotted screw for easy blade change. A compartment in the handle holds extra blades. Both models feature a push button for depth selection, and full blade retraction into the handle. Carded. Uses standard utility blades.

X-3272	X-Acto Utility	Plastic Handle
X-3274	X-Acto Utility	Metal Handle

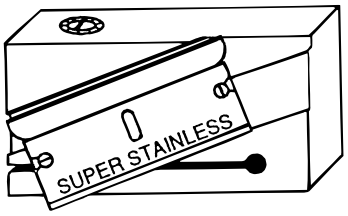
#8R UTILITY KNIFE



A light weight utility knife that can be used for a variety of uses. The handle is all plastic, while the handle is retractable and reversible. This means two edges can be used on each blade. Uses #208 replacement blades.

X-3208	X-Acto 8R Utility Knife	Carded
X-3008	X-Acto 8R Utility Knife	Bulk

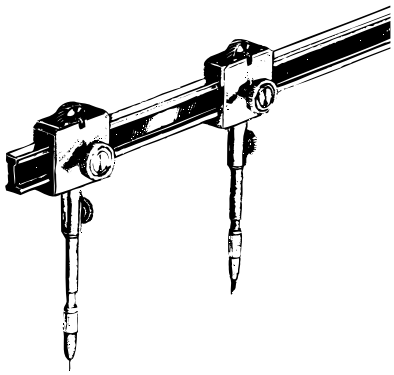
AKUKUT Depth Controlled Cutter



Clamp a standard single edge razor blade into this hand held device and control the depth of cut to 1/1000 of an inch. Slit carrier sheets or cut the top layer of film without disturbing the carrier.

AKUKUT Controlled Depth Cutter

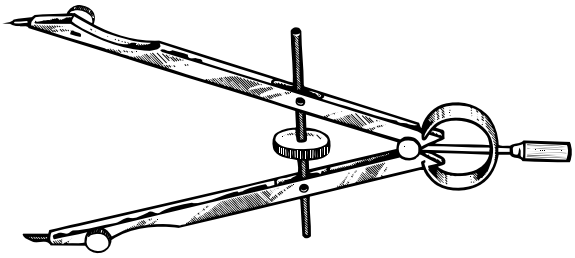
BEAM COMPASS CUTTER



Precision beam compass with 14" aluminum bar with 14" extension for a total span of 28". Micro adjust rollers with lock nuts for precise control.Uses GR-0024F blades.

52-5269-7 Beam Compass Cutter

BOW COMPASS CUTTER



A precision giant bow compass that is also useable as a pencil compass or divider. Rigid construction to prevent creeping. Complete with #24-F blade for film cutting.

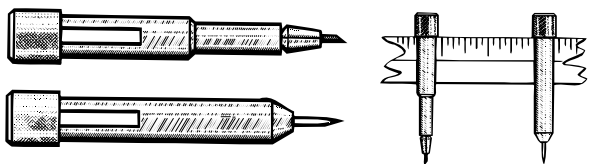
GR-2804 Bow Compass Cutter Carded

SHARPENING STONE

A high quality, aluminum oxide sharpening stone that will keep cutting tools in tip-top shape. Measures 3-1/2 x 3/4 x 7/8".

GR-0043 Sharpening Stone Boxed

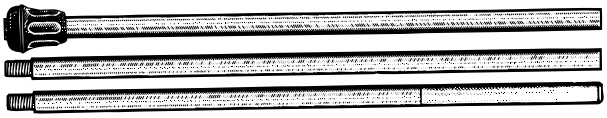
YARD STICK COMPASS



Aluminum pivot point and holder that fit on most wood yardsticks. Turns the yard stick into a compass. Easily adjustable, and holds #19, #20, and #24-F blades for cutting.

GR-0108 Yard Stick Compass Carded

MAHLSTICK



A three part aluminum mahlstick that extends to 30", is strong, and weighs only 3-1/2 oz. Designed for the artist and sign painter with rubber, no mar tip.

GR-0099 Mahlstick

DAHLE SUPER SHEAR

Today's styling in scissors, these scissors feature stainless steel, super sharp blades, contoured acrylic handles, and a light, featherweight touch. Self sharpening Solingen steel blades keep their edges, even through long, hard use. The contoured acrylic handles are more comfortable to hold, fit fingers better, and give better control. Made in America.

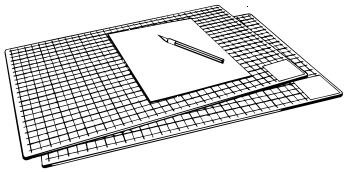
DH-50006	6" Super Shear
DH-50008	8" Super Shear
DH-50009	9" Super Shear
DH-50010	10" Super Shear

DAHLE VANTAGE SHEAR

Similar to to Super Shear, this lower priced scissor features stainless steel, rust resistant blades, tough handles, and a light, featherweight touch. The contoured plastic handles are more comfortable to hold, fit fingers better, and give better control.

DH-40005	5" Vantage Shear
DH-40006	6" Vantage Shear
DH-40008	8" Vantage Shear

CUTTING BASE



C-THRU CUTTING BASE

This cutting base is a self-sealing mat with an instant heal surface. Surface assures a long lasting, smooth base for both writing and cutting, even after many cuts. Knives cut smoothly and last longer, while pens write easier. Is attractive while also protecting light boxes and tables. There is a grid design on the surface and mats are available in either translucent or blue.

BLUE		TRANSLUCENT
CT-2000B	8-1/2 x 12" Base	CT-2004T
CT-2001B	12 x 18" Cutting Base	CT-2005T
CT-2002B	18 x 24" Cutting Base	CT-2006T
CT-2003B	24 x 36" Cutting Base	CT-2007T

TRIMMERS

DAHLE TRIMMER

Attractive surface to compliment any decor, this cutter features self sharpening stainless steel blades that are ground and tempered to cut up to 15 sheets of paper. Also cuts film, poster board, and textiles. The patented blade design eliminates the need for a blade latch and prevents the blade from popping up or dropping down. A safety shield protects fingers and holds paper in place while maintaining visibility.

DH-012E 12" Dahle Personal Cutter
DH-015E 15" Dahle Personal Cutter
DH-018E 18" Dahle Personal Cutter

DH-212	12" Dahle Professional Cutter
DH-215	15" Dahle Professional Cutter
DH-218	18" Dahle Professional Cutter
DH-124	24" Dahle Professional Cutter

PERSONAL ROLLING TRIMMER

An attractive, lightweight, and portable rolling trimmer for offices, studios, art rooms, etc. The patented self-sharpening rotary blade cuts up to 7 sheets of paper in either direction. The high impact grid surface will not chip, fade, or scratch. Precision cuts from light weight tissue to film.

DH-500	9"	Personal Rolling Cutter
DH-507	12-1/2"	Personal Rolling Cutter
DH-508	18"	Personal Rolling Cutter

HEAVY DUTY ROLLING CUTTER

A precision cutter for light to medium weight material. Features metal base commercial grade construction and a rotary blade shielded for safe cutting. Precision cuts from light weight tissue to film, poster board, laminate, acetate, etc. Lifetime guarantee.

DH-550	13-3/8"	H/D Rolling Cutter
DH-552	18-1/8"	H/D Rolling Cutter
DH-554	26-3/8"	H/D Rolling Cutter
DH-556	37-1/2"	H/D Rolling Cutter
DH-558	50"	H/D Rolling Cutter
DH-696	Stand for #556	
DH-698	Stand for #558	

MAT CUTTERS

We carry a complete line of Logan professional, production mat cutters. Please call or write for additional information.

LOGAN 2000 MAT CUTTER

A push style mat cutter with a retractable blade, start & stop indicator, and fully upgradable to Logan Rail and Board mounted systems. Uses #270 Blade

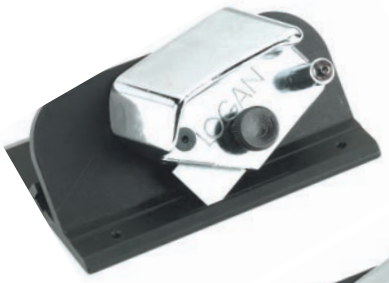
LOGAN-2000 Logan Hand Mat Cutter

Logan 2000

LOGAN 3000 MAT CUTTER

A pull style mat cutter with a pivoting blade holder, start & stop indicator, and fully upgradable to Logan Rail and Board mounted systems. Uses #270 Blade

LOGAN-3000 Logan Hand Mat Cutter



Logan 3000

LOGAN 4000 MAT CUTTER

A "Original" Logan professional mat cutter. scaled down for use by everyone. A pull type cutter that cuts from the back side of the mat. This eliminates scuffing. A built in marker measures 0 to 5-1/2" borders. This helps eliminate over cuts. The pivotable blade holder keeps the blade up when not in use and has a depth adjustment screw for control. Fully upgradable to Logan Rail and Board mounted systems. Many other features that can help give perfect results! Uses #270 blades.

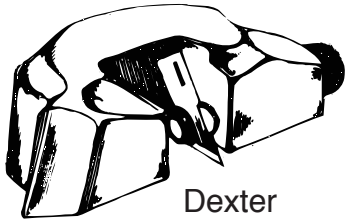
LOGAN-4000 Logan Hand Mat Cutter

Logan 4000

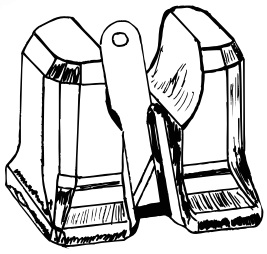
DEXTER MAT CUTTER

Easy to use, the Dexter mat cutter cuts professional looking mats with either beveled or straight cuts. A push type cutter that cuts from the top surface of the mat. Cut depth can be adjusted to also allow scoring. Chrome plated and shaped to fit the hand.

DX-140	Dexter Mat Cutter	Boxed
DX-145	Dexter Blades, Pkg. of 5	Tuck



Dexter



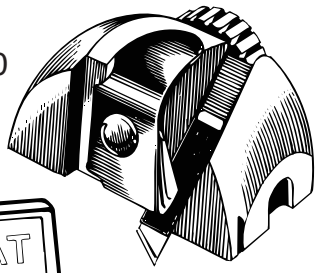
Dexter Mini

DEXTER MINI MAT CUTTER

A smaller version of the famous Dexter mat cutter. Designed to be used by the right or left hand, for multi-directional cutting. It is easy to grip and comfortable to use, with a chrome plated surface. A push type cutter that cuts from the top surface. Uses same blades as the large cutter.

DX-135	Dexter Mini Mat Cutter	Boxed
DX-145	Dexter Blades, Pkg. of 5	Tuck

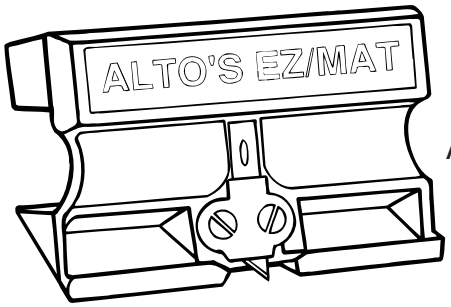
X-Acto 7740



X-ACTO MAT CUTTER

The X-Acto mat cutter features a light weight, high impact molded plastic body with metal blade clamp. Cuts perfect 45 degree bevels or straight 90 degree cut. A push type cutter that cuts from the top surface. Cut depth can be easily controlled to allow scoring. Uses X-Acto #19 blades.

X-7740 X-Acto Mat Cutter Carded



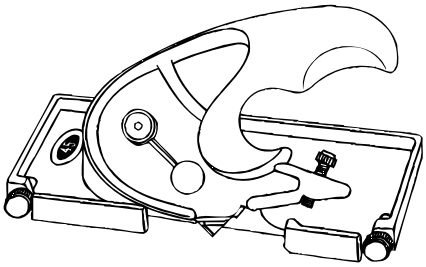
Alto-30

ALTO'S E-Z MAT CUTTER

An easy to use pair of cutters with either 30° or 45° cutting angles. Perfect for cutting free hand or with any straight edge. Uses X-Acto #19 or Dexter blades. Cuts from mats back side.

ALTO-30	30° E-Z Mat Cutter
ALTO-45	45° E-Z Mat Cutter

Alto-45



LOGAN COMPACT CUTTERS

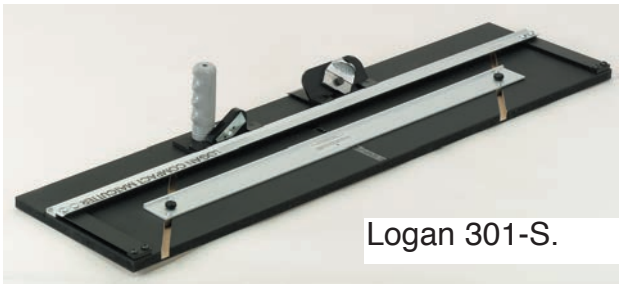
32" board mounted mat cutting system with parallel mat guide and creative matting instructions. Available in three versions.

MODEL 300 Includes the 32" board plus screws and bearings to adapt hand held mat cutters #2000, 3000, & 4000.
LOGAN-0300 Compact Mat Cutter Board

MODEL 301 Includes the 32" board plus bevel cutting head and five blades. Uses #270 Blade.
LOGAN-0301 Compact Mat Cutter Board & Cutter

MODEL 301-S Includes the 32" board plus bevel and straight cutting heads and five blades. Uses #270 Blade.
LOGAN-0301S Compact Mat Cutter Board & Cutters

MODEL 401 Includes the 40" board plus bevel and straight cutting heads and five blades. Uses #270 Blade.
LOGAN-0401 Compact Mat Cutter Board & Cutters



Logan 301-S.

LOGAN SIMPLEX PLUS

A board mounted mat cutting system with parallel mat guide in aluminum channels, a 27" squaring arm, and a laminated surface, two guide rail production stops and creative matting instructions.

LOGAN-0750 40" Simplex Plus Mat Cutter Board
LOGAN-0760 60" Simplex Plus Mat Cutter Board

Logan Simplex

LOGAN PROFESSIONAL

Heavy duty framing mat cutters with dual straight and bevel cutting head. A board mounted mat cutting system with parallel mat guide, a 27" squaring arm, and a laminated surface, movable production stop. Uses #269 Blade. Available in two sizes.

LOGAN-0650 40" Professional Mat Cutter Board
LOGAN-0660 60" Professional Mat Cutter Board

Logan Professional

LOGAN TEAM SYSTEM

Kit for upgrading hand held cutters. Included are aluminum guide rail, rubberized base. and screws for 2000, 3000, and 4000 cutters.

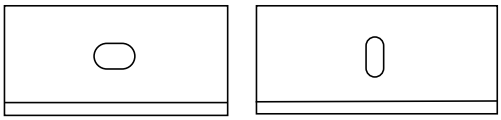
LOGAN-0524 24" Adapt-A-Rail
LOGAN-0540 40" Adapt-A-Rail
LOGAN-0560 60" Adapt-A-Rail (not ruled)

Logan Team System

LOGAN 270 BLADE

A rectangular blade with vertical oval notch. Used with many Logan Mat Cutters.

LOGAN-270-100 Plastic Box of 100 Carded
LOGAN 270-050 Plastic Box of 50 Carded
LOGAN 270-010 Pkg. of 10 Carded



269 270

LOGAN 269 BLADE

A rectangular blade with horizontal oval notch. Used with Logan Professional Mat Cutters.

LOGAN-269-100 Box of 100

SCREEN PRINTING

SPEEDBALL SCREEN PRINT KIT

A basic screen printing kit for poster (paper) printing that combines the tools and supplies for 4 detailed projects. Contains a frame with fabric, 9" squeegee, 8 oz. acrylic process cyan, process magenta, process yellow, and black inks, plus a 4 oz. screen drawing fluid, a 4 0z. screen filler, tracing vellum, accessories, and complete instructions. In an attractive shrink wrapped carton.

HU-4521 `Speedball Screen Print Kit.

DELUXE SCREEN PRINTING KIT

The Deluxe Screen Printing Kit has both poster and textile supplies. It contains a frame with fabric, 9" squeegee, and four 8 oz. water soluble acrylic inks (process cyan, process magenta, process yellow, and black), textile black and fluorescent pink inks, and base with accessories. Also included are tracing vellum, 4 oz. screen drawing fluid, 4 oz. screen filler, a 55 minute video and complete instructions. In an attractive shrink wrapped box.

HU-4522 Speedball Deluxe Screen Print Kit

FABRIC SCREEN PRINT KIT

Complete fabric screen printing kit combines the tools and supplies with Includes everthing needed to print t-shirts. Comes with screen and fabric, 9" squeegee, 8 oz. water soluble textile ink in black and white, 4 oz. screen filler, 4 oz. drawing fluid, 4 oz. photo emulsion with sensitizer, and instruction booklet. For light colored fabric only. In an attractive shrink wrapped box. In an attractive shrink wrapped box.

HU-4526 Speedball Fabric Screen Print Kit

OPAQUE FABRIC SCREEN KIT

Ideal for use on dark colored shirts. Includes everthing needed to print t-shirts. Comes with screen and fabric, 9" squeegee, 3 jars of 4 oz. opaque textile ink in black and white, 4 oz. screen filler, 4 oz. drawing fluid, 4 oz. photo emulsion with sensitizer, and instruction booklet.

HU-4519 Speedball Opaque Fabric Screen Print Kit

SCREEN INKS

ACRYLIC SCREEN INK

An acrylic base screen ink that offers the permanence of solvent based inks with the ease of water washup. For use on paper, wood, some vinyl's, board, and fabric that will not be laundered. All colors are opaque, brilliant, flexible and non-toxic. Should not be used with water based film or emulsion. AP Non-toxic, conforms to ASTMD-4236

	8 OZ	Quart	Gal
Process Cyan	HU-46210	HU-46410	HU-46610
Process Magenta	HU-46211	HU-46411	HU-46611
Process Yellow	HU-46212	HU-46412	HU-46612
White	HU-4620	HU-4640	HU-4660
Primrose Yellow	HU-4621	HU-4641	HU-4661
Medium Yellow	HU-4623	HU-4643	HU-4663
Orange	HU-4624	HU-4644	HU-4664
Fire Red	HU-4625	HU-4645	HU-4665
Medium Red	HU-4626	HU-4646	HU-4666
Dark Red	HU-4627	HU-4647	HU-4667
Gold	HU-4628	HU-4648	HU-4668
Silver	HU-4629	HU-4669	HU-4689
Violet	HU-4630	HU-4650	HU-4670
Ultra Blue	HU-4631	HU-4651	HU-4671
Dark Blue	HU-4632	HU-4652	HU-4672
Peacock Blue	HU-4633	HU-4653	HU-4673
Emerald Green	HU-4634	HU-4654	HU-4674
Brown	HU-4636	HU-4656	HU-4676
Black	HU-4637	HU-4657	HU-4677

NIGHT GLO SCREEN INK PHOSPHORESCENT

An water base textile screen ink that looks like a standard ink by under normal but glows in the dark.After glo lasts up to eight hours. Can be screen printed or brushed on. Wash fast when properly heat set. Should not be used with water based film or emulsion. AP Non-toxic, conforms to ASTMD-4236. 8 oz. jars only.

Blue	HU-47520	Yellow	HU-47521
Green	HU-47522	White	HU-47523

SPEEDBALL FABRIC INK

An water base textile screen ink in 19 brilliant colors including fluorescent and process color for use on cotton, polyester blends, an linen. Also works great on paper and cardboard. Washfast when properly heat set. non-flammable and contains no solvent and no offensive smell. Can be screen printed or painted on with a brush AP non-toxic anc conforms top ASTM D-4236.

TRANSPARENT COLORS

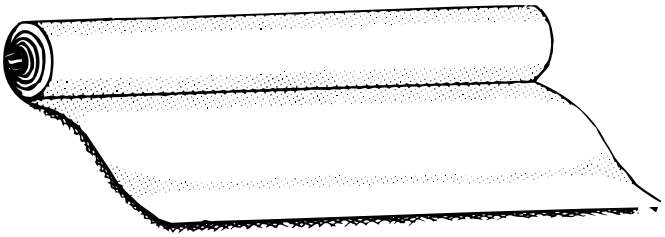
	8 OZ	Quart	Gal
Process Cyan	HU-45650	HU-45750	
Process Magenta	HU-45651	HU-45751	
Process Yellow	HU-45652	HU-45752	
White	HU-4563	HU-4603	HU-46033
Yellow	HU-4565	HU-4605	HU-46055
Orange	HU-4569	HU-4609	
Red	HU-4561	HU-4601	HU-46011
Burgundy	HU-4684	HU-4686	
Violet	HU-4550	HU-4575	
Blue	HU-4562	HU-4602	HU-46022
Blue Denim	HU-4566	HU-4606	
Peacock Blue	HU-4551	HU-4653	
Green	HU-4564	HU-4604	HU-46044
Brown	HU-4567	HU-4607	
Black	HU-4560	HU-4600	HU-46000

FLUORESCENT

Hot Pink	HU-4687	HU-4693
Lime Green	HU-4690	HU-4695
Orange	HU-4691	HU-4696
Magenta	HU-4692	HU-4697

OPAQUE PEARL COLORS

Raspberry	HU-4801	HU-4821
lue Topaz	HU-4802	HU-4822
Pearly White	HU-4803	HU-4823
Emerald	HU-4804	HU-4824
Citrine	HU-4805	HU-4825
Amethyst	HU-4806	HU-4826
Silver	HU-4807	HU-4827
Gold	HU-4808	HU-4828
Sherbet	HU-4809	HU-4829
Black Pearl	HU-4810	HU-4830



NORTHWEST POLYESTER

Northwest Polyester is a monofilament polyester fabric that is the ultimate for fine detail and perfect registration. It has almost no elasticity, making it unequaled for resolution and dimensional stability. Yellow color helps for finer resolution with direct emulsions. The ultimate fabric for fine line, halftone, and multicolor reproduction.

35-1110-4	110 Polyester, 42" Width
35-1123-4	123 Polyester, 42" Width
35-1137-4	137 Polyester, 42" Width
35-1156-4	156 Polyester, 42" Width
35-1175-4	175 Polyester, 42" Width
35-1195-4	195 Polyester, 42" Width
35-1230-4	230 Polyester, 42" Width
35-1240-4	240 Polyester, 42" Width

POLYESTER MULTIFILAMENT

Multifilament (many threads wound into one, then interwoven) polyester or dacron is of the highest quality. Perfectly finished and uniformly woven, this durable fabric offers non-shift multifilament construction. The rougher finish of multifilament construction makes film and emulsions adhere better. Ideal for textile work or poster work where heavy deposit is required. Prices are per yard, 40" width listed below, larger widths available.

34-7064-8	6XX	Multifilament Polyester, 40" width
34-7084-6	8XX	Multifilament Polyester, 40" width
34-7104-2	10XX	Multifilament Polyester, 40" width
34-7124-0	12XX	Multifilament Polyester, 40" width
34-7144-8	14XX	Multifilament Polyester, 40" width
34-7065-5	6XX	Multifilament Polyester, 50" width
34-7085-3	8XX	Multifilament Polyester, 50" width
34-7105-9	10XX	Multifilament Polyester, 50" width
34-7125-7	12XX	Multifilament Polyester, 50" width

FRAME MATERIALS

MITE-R-STIX

Top quality, kiln dried Ponderosa Pine that is ideal for screen frames. Sizes are pre-cut exactly with 45 degree angles for easy assembly. Lengths are also pre-grooved for the popular rope method of fabric stretching. Available in two stock sizes: 1-1/8" square for small screens and 1-5/8" square for larger screens. Length shown is inside dimension.

1-1/8" SQUARE		1-5/8" SQUARE
13-1142-2	6" Length	
13-1144-8	8" Length	
13-1196-8	9" Length	
13-1197-6	10" Length	13-1155-4
13-1198-4	11" Length	
13-1145-5	12" Length	13-1156-2
13-1146-3	14" Length	13-1157-0
13-1147-1	16" Length	13-1158-8
13-1148-9	18" Length	13-1159-6
13-1149-7	20" Length	13-1160-4
13-1150-5	22" Length	13-1161-2
13-1151-3	24" Length	13-1162-0
13-1175-2	25" Length	13-1199-2
13-1152-1	26" Length	13-1163-8
13-1176-0	27" Length	13-1200-8
13-1153-9	28" Length	13-1164-6
13-1154-7	30" Length	13-1165-3
	32" Length	13-1166-1
	33" Length	13-1201-6
	34" Length	13-1167-9
	36" Length	13-1168-7
	38" Length	13-1169-5
	40" Length	13-1170-3
	42" Length	13-1171-1
	44" Length	13-1172-9
	46" Length	13-1173-7
	48" Length	13-1174-5

TITE STRETCH CORD

Tite-Stretch cord gives a perfect no-slip grip in the groove of Mite-R-Stix listed above. Made from a hard finish, uniform diameter material. The easy way to stretch screens.

15-1132-8 Tite-Stretch Cord 100' Length

TITE STRETCH TOOL

This easy to operate tool presses cord into the groove of Mite-R-Stix, and a tap of the hammer tightens the fabric. Hard steel blade with palm fitting handle, and balluster reamer on the end. Blade is 5" long and 1" high, while handle is 3-1/4".

15-1129-4 Tite-Stretch Tool

HINGE CLAMPS

A hinge clamp is basically a C-clamp with a hinge attached. This allows permanent attachment to the printing table with ease of removal for the screen. Hinge clamps are very stable to eliminate screen wiggle.

APSCO HINGE CLAMP

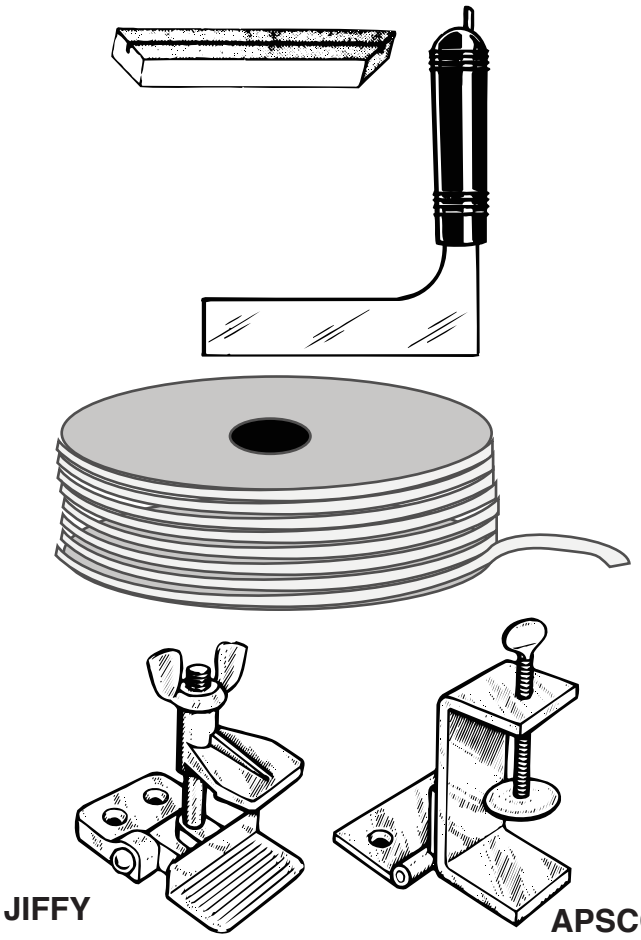
A simple clamp that will handle wood frames from 3/4" to 1-5/8" thick. Metal is brightly plated and screws are included.

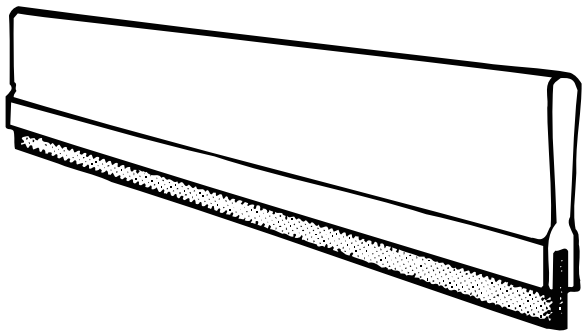
54-1110-3 Apsco Hinge Clamps

JIFFY HINGE CLAMP

A rugged screen clamp featuring cast construction and positive locking action. Accepts frames up to 3" thick.

HU-4513 Jiffy Hinge Clamp





SQUEEGEES

The squeegee is the chief tool for printing. Several types are used in degrees of hardness. All are available in 5" high wood handles that are shaped to fit the hand. The softer the squeegee, the more ink it deposits. Select hardness to fit your type of print. Standard black is the least expensive, an all around squeegee. Everlast tan lasts longer than black before it needs sharpening. Polyplastic lasts the longest before it requires sharpening. Order in inches, and length to 144".

5" HANDLE

14-7215-8	Standard Black-Soft
14-7216-6	Standard Black-Medium
14-7217-4	Standard Black-Hard
14-7225-7	Everlast Tan-Soft
14-7226-5	Everlast Tan-Medium
14-7227-3	Everlast Tan-Hard
14-7236-4	Polyplastic-Medium
14-7237-2	Polyplastic-Hard
14-7441-0	Polyplastic-Extra Hard

HAND CUT FILM

ULANOCUT

Water soluble hand cut film that is available in either Green or Amber color, on a .003" polyester base. Simply cut your design, peel off the film where you want the ink to print, and adhere with plain water. Film will restick to base for correcting mistakes. Ideal for all solvent based inks. Not for water based inks.

UL-UCG-40300	Ulanocut Green	40 x 300"
UL-UCG-44300	Ulanocut Green	44 x 300"
UL-UCG-52300	Ulanocut Green	52 x 300"

STA-SHARP S3S

A lacquer type hand cut film that is on a .003 polyester base. Simply cut your design, peel off film where you want the ink to print, and adhere. Cuts and strips very easily. For use with mild solvent inks (such as poster inks) and all water base inks. Use T-700 adhering liquid.

UL-S3S-40300	Sta-Sharp S3S	40 x 300"
UL-S3S-44300	Sta-Sharp S3S	44 x 300"
UL-S3S-52300	Sta-Sharp S3S	52 x 300"

ULANO ADHERING LIQUID

Adheres film quickly without burning the edges. For all lacquer film types such as Sta-Sharp. Evaporates quickly.

UL-ADH-Q	Adhering Liquid	Quart
UL-ADH-G	Adhering Liquid	Gallon

PRE-SENSITIZED FILM

POLY 2 BLUE FILM

Poly 2 is a blue pre-sensitized film on a .002 polyester backing sheet. Simply expose to a film positive, develop, wash out and adhere. A more sensitive film for fine detail and razor sharp prints. Use developer listed.

UL-POLY2-40300	Poly 2 Film	40 x 300"

HI-FI DEVELOPER

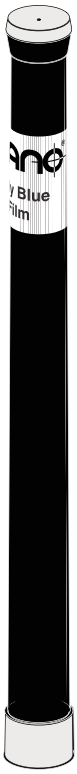
Ulano developer for pre-sensitized films shown at left. Easy to use in pre-measured packets, in sets of A & B chemicals. Available in pints and quarts.

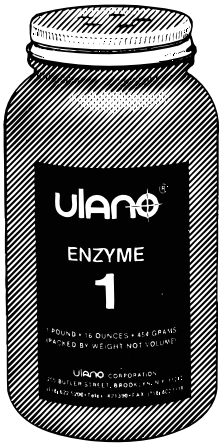
UL-AB-P	Developer	8 sets, pint
UL-AB-Q	Developer	20 sets, quart

ULANO #1 ENZYME

A superconcentrated enzyme digester for removal of gel type presensitized films such as Hi-Fi Green and Poly 2. Will not harm fabric. A neutral, non-toxic, organic material that will not dissolve the toughest films.

UL-001-1	Ulano #1 Enzyme Digester	1 lb.





DIRECT EMULSION

Direct emulsions are coatings to which a sensitizer is added. After sensitizing, coating is applied to a blank screen and allowed to dry. The screen can then be exposed with a film positive and developed with plain water.

HUNT EMULSION KIT

A complete package with 8 oz. of direct emulsion and two 1 oz. bottles of bichromate sensitizer. Half can be sensitized at a time.

HU-4533	Hunt Direct Emulsion Kit

HUNT DIAZO EMULSION KIT

A complete package with 7 oz. of direct emulsion and diazo sensitizer. Diazo sensitized emulsion produces more durable screens than bichromate. Mixed diazo sensitized emulsion can be stored up to 90 days if properly stored (no light and kept cool).

HU-4558	Hunt Diazo Emulsion Kit

WATER RESIST. EMULSION

A special Ulano emulsion developed to resist water based inks. Ideal for textile printing or anywhere extra tough emulsion is needed. Diazo sensitizer is included.

UL-TLX-Q	Ulano TLXt Emulsion	Quart Kit

SPEEDBALL DRAWING FLUID (Liquid Touche)

For "tusche-resist" or "positive" screen printing method. The drawing fluid is appled with a brush, then the entire screen is covered with screen filler. when the screen filler is dry, the drawing fluid can be washed, allowing for the area to be printed.

HU-4531	8 oz. Can Drawing fluid
HU-4571	16 oz. Can Drawing Fluid

SPEEDBALL FILLER

Used to fill in or block out areas not intended to be printed. Also for use in combination with Speedball Drawing Fluid to make tousche style screens.

HU-4530	Speedall Screen Filler	8 oz.
HU-4570	Speedall Screen Filler	Quart

AQUASOL BLOCKOUT

A water soluble all purpose blockout for use with films or direct emulsion. Washes out with water and dries fast to a durable, flexible finish. Easy to see Red Color.

SYS-5511-16	Aquasol Blockout	Pint
SYS-5511-Q	Aquasol Blockout	Quart
SYS-5511-G	Aquasol Blockout	Gallon

EMULSION REMOVER

A clear, non-odorous solution which dissolves all photo emulsions to reclaim after printing. Remove ink from screen, then apply with a brush.

SYS-6000 06	Systems Emulsion Remover, 6 oz.
SYS-6000-32	Systems Emulsion Remover, Quart
SYS-6000-36	Systems Emulsion Remover, Gallon

SCREEN EQUIPMENT

ACUPRINT PRESS SERIES

TheAcuprint press series ranges from print sizes of 12 x 18" to 25 x 38". All feature vacuum hold down, timer, smooth squeegee action, easy pressure adjustment, all welded metal construction, and UL approval. We also handle a complete line of equipment for all production needs, please call or write for additional information.

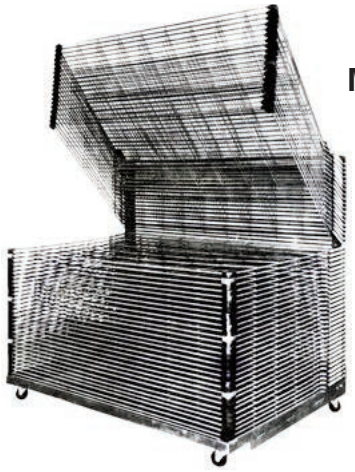
NATIONAL TEXTILE PRINTER

The Rototex is a manual, multicolor textile printer. Screens are easily adjusted and removed, plus they are held from the side for stability. Each color head locks into position for absolute registration. Optional speed table increases production.

RACKS

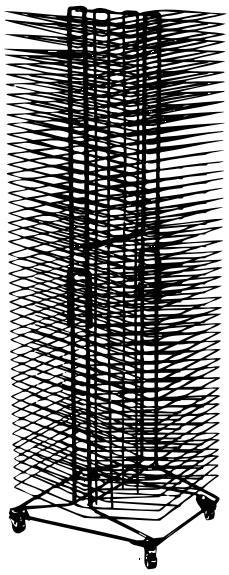
We handle a complete series of racks from table top "Twin-Shelf" to 52 x 80" industrial "Rack-King" racks. Plus there is the new UPS rack that is ideal for school use in either the art or industrial art department. Please call for complete list and price quote.

E-40-4100-0	Twin Top Table Rack
E-40-4101-8	Twin Rack (Floor Model 100 Shelves)
E-MR-1824	Tensor 18x24" 1 side (Floor Model 40 Shelves)
E-MR-1824D	Tensor 18x24" 2 sides (Floor Model 80 Shelves)

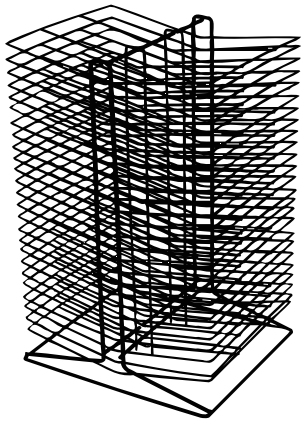


Multi-Rack

Tensor 18



Twin Rack - Floor



Twin Rack - Table

MULTI RACKS

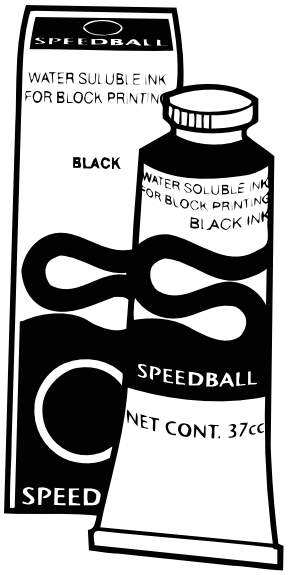
E-MR-2232-40	22 x 32", 40 Tray
E-MR-2232-50	22 x 32", 50 Tray
E-MR-3248-40	32 x 48", 40 Tray
E-MR-3248	32 x 48", 50 Tray
E-MR-4025	40 x 52", 50 Tray
E-MR-4333	43 x 33", 50 Tray
E-MR-4569	45 x 69", 50 Tray
E-MR-5269	52 x 69", 50 Tray
E-MR-5281	52 x 81", 50 Tray

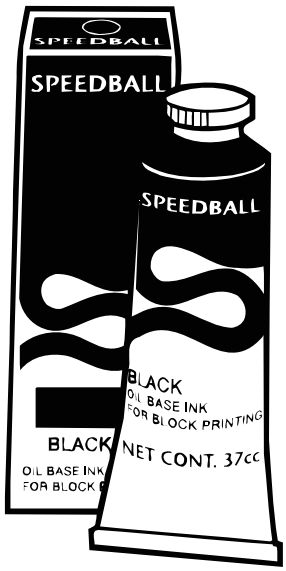
BLOCK PRINTING

SPEEDBALL BLOCK INK

Speedball block inks are available in oil and water base. The oil base is used where permanency is desired, also for printing on cloth. Clean up oil based inks with T-125, mineral spirits, or turpentine. Where ease of cleaning is desired, water based colors are used.. Colors dry to a rich satin finish and are intermixable. Numbers below are for 1 x 4", 37cc tubes. The same colors are available in 4 oz (75cc), and 8 oz. (147cc) tubes, plus one pound cans on special order, in standard packages.

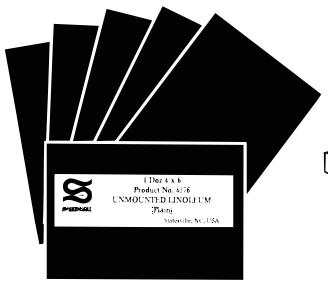
WATER BASE		OIL BASE
HU-3400	Black	HU-3450
HU-3401	Red	HU-3451
HU-3402	Blue	HU-3452
HU-3403	White	HU-3453
HU-3404	Green	HU-3454
HU-3405	Yellow	HU-3455
HU-3406	Brown	HU-3456
HU-3407	Orange	
HU-3408	Violet	HU-3458
HU-3409	Turquoise	HU-3459
HU-3410	Magenta	HU-3460
HU-3411	Light Red	
HU-3412	Dark Yellow	
HU-3413	Gold	
HU-3414	Silver	

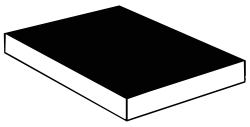




LINOLEUM BLOCKS

Speedball Linoleum Blocks have a smooth linoleum surface mounted on heavy composite wood. The light cream colored surface permits the printmaker to draw on the surface and cut precisely. Cuts to sharp, crisp edges for excellent reproduction. Sizes 5 x 7" and larger, 6 per package, smaller sizes 12 per package.

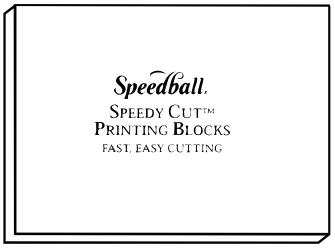




HU-4301	2 x 2"	HU-4309	5 x 7"
HU-4303	2 x 3"	HU-4310	5 x 8"
HU-4304	3 x 3"	HU-4311	6 x 8"
HU-4305	3 x 4"	HU-4312	6 x 9"
HU-4306	3 x 5"	HU-4313	8 x 10"
HU-4307	4 x 5"	HU-4314	9 x 12"
HU-4308	4 x 6"		

SPEEDY BLOCK

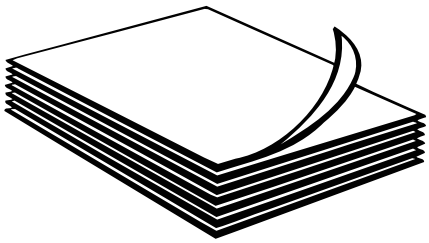
A special eraser like material that is easy to carve, faster cutting, and safer than traditional cutting linoleum. Also ideal for using for custom rubber stamps. Available in three sizes.



HU-4341	Speedy Block	3 x 4"	4 per box
HU-4342	Speedy Block	4 x 6"	2 per box
HU-4343	Speedy Block	9 x 12"	2 per box

FLEXIBLE PRINTING PLATE

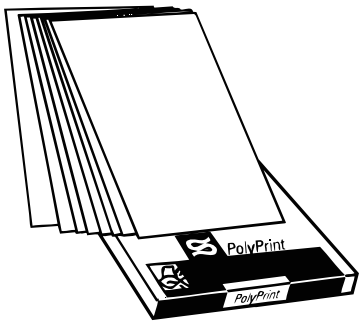
The Speedball Flexible Printing Plate is a soft, flexible vinyl material for print making. It is 1/16" thick with a smooth tan top surface and a pressure sensitive adhesive back. Cutting is extremely easy. After cutting, the plate is mounted on any film surface. Package of 12.



HU-4165	Flexible Printing Plate	9 x 12"

POLYPRINT PLATE

The Speedball Polyprint Printing Plate is an economical sheet of white polystyrene foam with a pressure sensitive backing. It is easily cut, torn, or indented. No cutting tools are required. 12 per box.

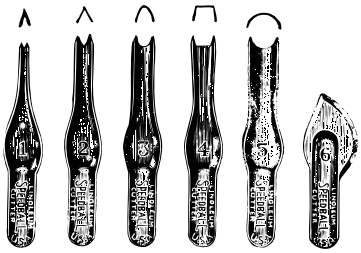


HU-4166	Polyprint Printing Plate	9 x 12"

LINOLEUM CUTTERS

High quality cutters of proven durability. Push type, Carded 2 per card.

HU-41201	#1 Small Liner
HU-41202	#2 V-Shaped Gouge
HU-41203	#3 Large Liner
HU-41204	#4 U-Shaped Gouge
HU-41205	#5 Large Gouge
HU-41206	#6 Knife

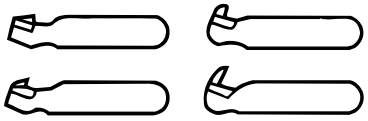


LINOLEUM CUTTERS

LINOZIP CUTTERS

A safe pull type cutter for students and novices. Makes the same cuts as push type, except the pull style helps eliminate cut fingers. 12 per box.

HU-4111	#21 Liner
HU-4112	#22 V-Shaped Gouge
HU-4113	#23 Large Liner
HU-4114	#25 Large Gouge



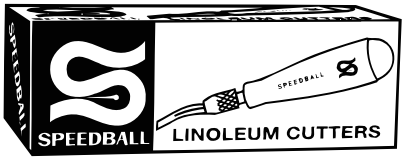
LINOZIP CUTTERS

#1 SET CARDED

LINO CUTTER HANDLE

Handles that are designed to fit the hand, these handles are fitted with adjustable screw chucks to hold cutters securely. For both regular and Linozip cutters, Carded.

HU-41238	Linoleum Cutter Handle	Carded



#1 LINO CUTTER SET

#1 LINO CUTTER SET

The Speedball #1 Lino assortment contains a handle and one each of cutters #1, #2, #3, #5 and #6. Individually boxed.

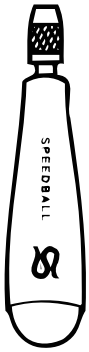
HU-4131	Speedball #1 Lino Cutter Asst.	Boxed
HU-41231	Speedball #1 Lino Cutter Asst.	Carded

#37 LINOZIP SET

#37 LINOZIP CUTTER SET

The Speedball #37 Linozip assortment contains a handle and one each of Linozip cutters #21, #22, #23, #24 and Lino cutter #6. Individually boxed.

HU-4137	#37 Speedball Linozip Asst.	Boxed

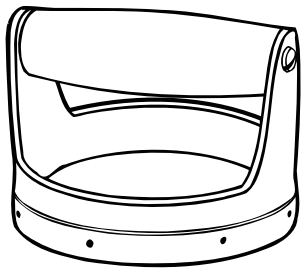


HANDLE

BAREN

The Speedball Baren is a press for hand printing. The base is teflon covered for friction free long wear. Individually boxed.

HU-4139	Speedball Baren	Boxed



BAREN

#51 HARD BRAYER

A quality hard rubber brayer with metal brace bar and plastic handle. Individually boxed.

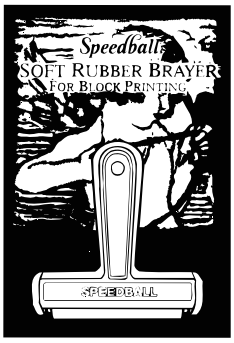
HU-4124	#51 Brayer	4"	Boxed

#49 ECONOMY BRAYER

An economy hard rubber brayer that comes in two versions: the traditional #49 with metal bar and plastic handle, and the #49P with all plastic handle.

HU-4121	#49 Brayer	4"	Boxed
HU-4128	#49P Brayer (Plastic)	4"	Boxed
HU-41228	#49P Brayer	4"	Carded

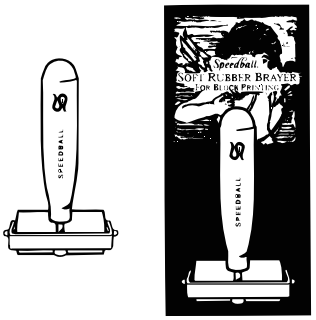
#49P BRAYER



SOFT BRAYERS

Premium Speedball soft rubber brayers, with smooth, soft rubber mounted on a sturdy metal core to eliminate warping. With deluxe sturdy plastic handle, individually boxed.

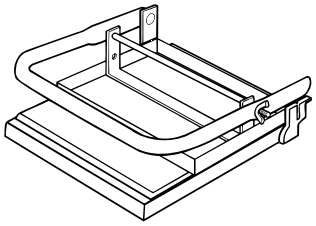
HU-4170	#70 Brayer	1-1/2"	Boxed
HU-4171	#71 Brayer	2"	Boxed
HU-4172	#72 Brayer	2-1/2"	Boxed
HU-4173	#73 Brayer	3"	Boxed
HU-4174	#74 Brayer	3-1/2"	Boxed
HU-4126	#64 Brayer	4"	Boxed
HU-4129	#66 Brayer	6"	Boxed
HU-41271	#71 Brayer	2"	Carded
HU-41226	#64 Brayer	4"	Carded



MODEL B PRESS

The Speedball Model B Press is a sturdy, all metal unit for printing work up to 8". Provides good printing pressure.

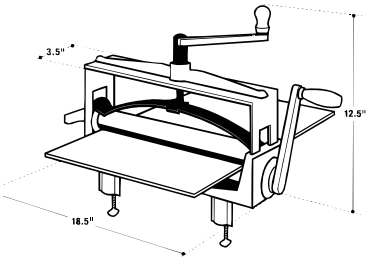
HU-4136 Model B Block Press



PRINTMASTER PRESS

The Speedball Printmaster Press is a heavy duty press for excellent quality prints from wood cuts, linoleum blocks, even Polyprint. Pressure rollers are spring loaded and adjustable. Mounts with bolts for permanent mounting, or "C" clamps for temporary mounting. Individually boxed.

HU-4119 Speedball Printmaster Press



ETCHING

BURINS

Burins are sharp tools for metal working. They are available in four sizes, in square shapes. Wood handle fits the palm.

LC-60A	Burin 5/64"	LC-60C	Burin 7/64"
LC-60B	Burin 3/32"	LC-60D	Burin 1/8"

BURNISHERS

Burnishers are heavy metal tools with wood handles for smoothing, pushing and polishing metal surfaces.

LC-61	Straight Burnisher	1-1/2" Blade
LC-62	Curved Burnisher	1-1/2" Blade
LC-62A	Curved Burnisher	2-1/2" Blade

HOLLOW SCRAPER

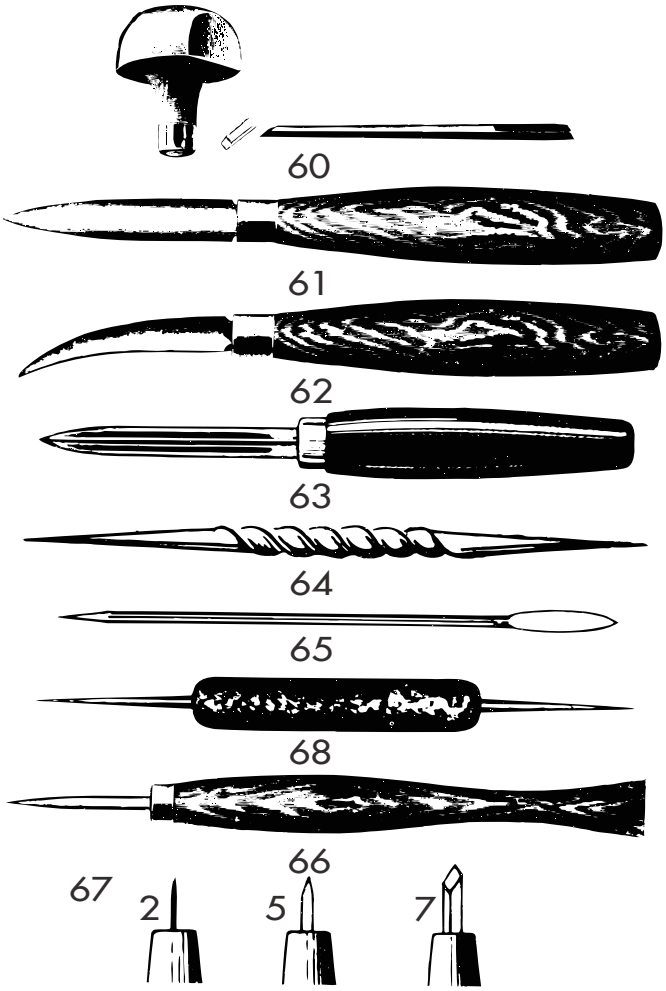
A hollow scraper is a very sharp tool used to scrape off unwanted burrs from etching plates. Cleans up excess solder, smooths surfaces etc.

LC-63 Hollow Scraper 2-1/2" Blade

SCRIBERS

Scribers are for dry point etching (scribing directly on the dry metal plate) on all metal surfaces. Points are very sharp.

LC-64 Twisted Scriber
LC-65 Straight Point-Curved Burnisher
LC-68 Double Point Scriber, Cork Handles

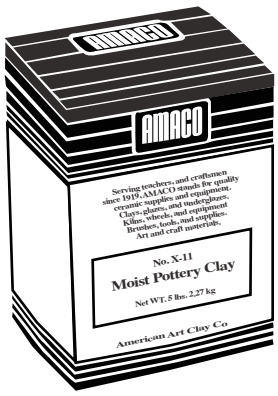


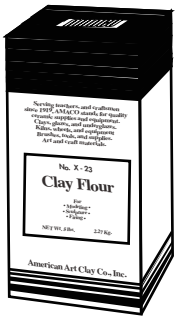
ETCHING NEEDLES

Needles for smoothing, pushing and polishing metal surfaces. 7" long.

LC-E-66	Dry Point Needle	LC-67-5	#5 Etching Needle
LC-67-2	#2 Etching Needle	LC-67-7	#7 Etching Needle

SCULPTURE





AMACO MOIST CLAY

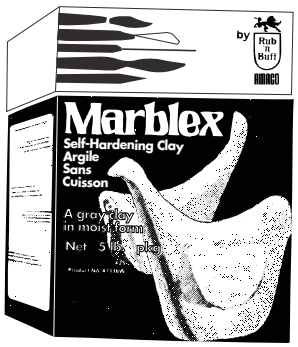
A ready to use, factory prepared moist clay. Objects air dry and can be painted with either acrylic or tempera paint. Air dried objects are chalk hard or can be fired at 1904 to 2174F. A natural gray colored clay.

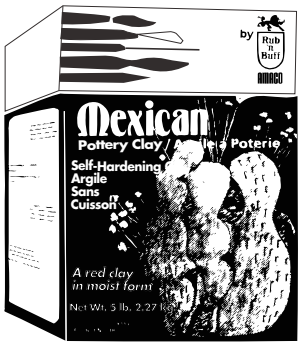
AM-46313R	X-11 Moist Clay	5 lb.
AM-46315M	X-15 Moist Clay	25 lb.

AMACO CLAY FLOUR

Amaco Clay Flour is a gray, natural clay in dry powder form. Mixed with water, it is smooth and pliable, and suited for all forms of hand modeling. The same clay as listed above, but in dry form.

AM-46311H	X-23 Clay Flour	5 lb.





MARBLEX CLAY

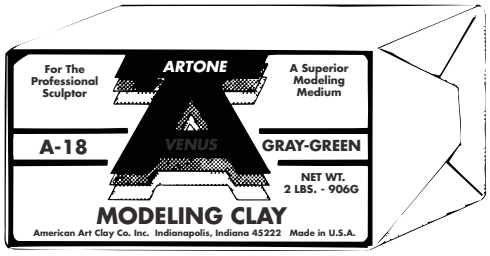
A gray clay in moist form that is ready to use and requires no firing. Air dried pieces become hard and durable, but not waterproof. Decorate with tempera or acrylic colors.

AM-47322S	X-242 Marblex	2 lb.
AM-47336W	X-25 Marblex	5 lb.
AM-47340B	X-25A Marblex	25 lb.

MEXICAN CLAY

Objects modeled in Mexican clay are of a rich red color that is similar to Mexican or Indian pottery. Supplied in moist form, ready to use, and may be hand shaped or thrown on a wheel. Air dried objects are hard and durable, but not waterproof. Finished objects can be painted with tempera or acrylic color.

AM-48651B	X-22 Mexican Clay	2 lb.
AM-48652C	X-119 Mexican Clay	5 lb.
AM-48653D	X-117 Mexican Clay	25 lb.



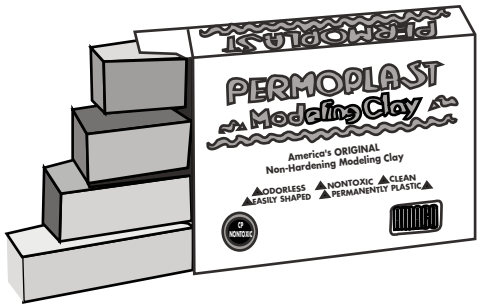
ARTONE VENUS CLAY

Artone Venus clay is a non-hardening professional type modeling clay consisting of the finest and purest ingredients. The texture is smooth and easily modeled with either tools or fingers, yet has sufficient body to retain shape.

AM-51731Y	A-18 Artone Venus Clay	2 lb.

PERMOPLAST CLAY

A first quality, non-hardening, modeling clay with strong, bright non-toxic color. Permoplast comes ready to use, is easily shaped and remains smooth and pliable when used over and over again. Sanitary, harmless and stainless. 1 lb. package.

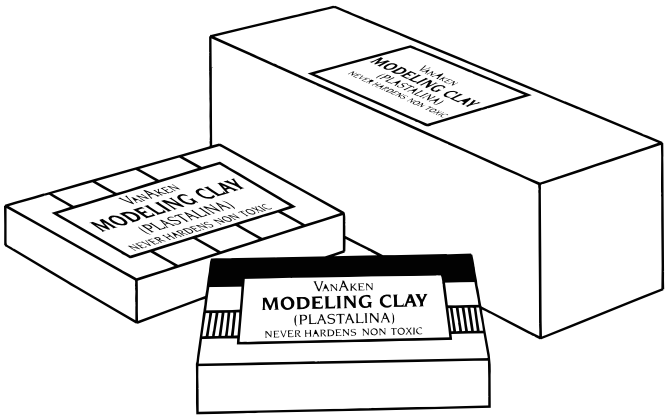


AM-90051B	Red	AM-90055F	Gray
AM-90052C	Yellow	AM-90056G	Brown
AM-90053D	Blue	AM-90058J	Cream
AM-90054E	Green		

ASSORTED COLORS:

AM-90091E X-34, Gray, Green, Red and Brown

VAN AKEN PLASTALINA



Van Aken Plastalina is a pigmented oil base modeling compound renowned through out the world for its smooth consistency and brilliant color range. The twenty four color range included eight spectral hues, seven neutral tones, fiver earth colors, and four pastels. Colors are readily intermixable to achieve tints, tones, and intermediate hues.Can be easily molded by hand or tools, this clay can also be melted at 150° F and poured into molds. Preferred by sculptors, model makers, clay animators and artists of all ages, Van Aken clay is non-toxic, never hardens, and can be used time and time again. 1 lb. package. (5 lb. special order).

SPECTRAL COLORS

VA-10101	Yellow	VA-10105	Violet
VA-10102	Orange	VA-10106	Ultra Blue
VA-10103	Red	VA-10107	Turquoise
VA-10104	Magenta	VA-10108	Green

NEUTRAL TONES

VA-10109	White	VA-10113	Gray Green
VA-10110	Ivory	VA-10114	Gray, Sculptor
VA-10111	Black	VA-10115	Gray, Silver
VA-10112	Gray		

EARTH TONES

VA-10116	Terra Cotta	VA-10119	Dark Green
VA-10117	Brown	VA-10120	Golden Ochre
VA-10118	Flesh		

PASTEL COLORS

VA-10121	Pastel Yellow	VA-10126	Pastel Blue
VA-10124	Pastel Pink	VA-10128	Pastel Green

ASSORTED COLORS:

VA-18150	Primary Colors - Green, Yellow, Red, Ultra Blue
VA-18151	Sweetheart Asst.- Pas Green, Yellow, Pink, Blue
VA-18153	Neutral Tones - White, Brown, Gray, Black
VA-18157	Hot Colors - Yellow, Orange, Red, Magenta
VA-18158	Cool Colors - Green, Turquoise, Ultra Blue, Violer
VA-18162	Holiday Colors - Red, White, Ultra Blue, Green
VA-18165	Earth Tones - Flesh, Brown, Terra Cotta, Dark Grn

SCULPTAMOLD

Sculptamold combines the best features of clay, plaster and paper mache', eliminating the disadvantages. In dry form, this white, non-toxic compound is quickly prepared by adding water. Sets in 30 minutes, Sculptamold will cling to almost any clean surface and does not shrink. Finished pieces are very lightweight, strong and durable, and may be carved, sanded or sawed.

AM-41821C	SC-3 Sculptamold	3 lb.
AM-41822D	SC-25 Sculptamold	25 lb.

CLAYCRETE PAPER MACHE'

A prepared paper mache' in dry form that is ready to use in 15 or 20 minutes after mixing with water. Claycrete is easy to model, economical and white in color. Lightweight when dry, finished pieces may be painted with almost any paint. Non-toxic.

AM-41810B	CC-1 Claycrete	1 lb.
AM-41811R	CC-5 Claycrete	5 lb.

MIX-A-MOLD

Mix-A-Mold is supplied in powder form and is ready to mold in two minutes after mixing with water. Makes perfect reproductions of three dimensional objects. Can be filled with any casting medium. Non-toxic.

AM-75541B	SC-20 Mix-A-Mold	8 oz.
AM-75542C	SC-20 Mix-A-Mold	2.5 lb.

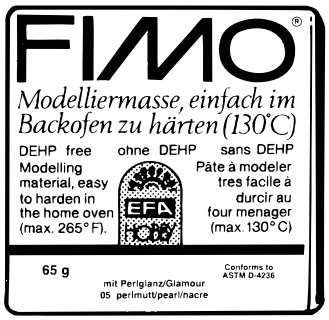
AMACO CASTING COMPOUND

Casting compound is a replacement for plaster, that is mixed with water and poured into a mold. Sets hard in a few minutes, and pieces are white, fine textured, and durable. By Amaco.

AM-52761T	CP-5 Casting Compound	5 lb.

FIMO

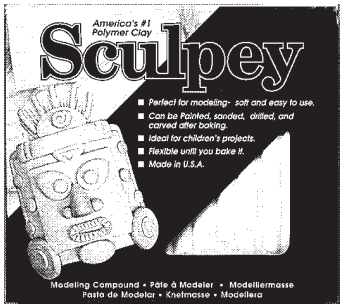
A versatile modeling material that is also easy to use. After conditioning the clay until it is soft and pliable, it is ready to be shaped by hand, pressed into a mold, or carved with tools. Perfect to craft projects including dolls, figures, miniatures, jewelry, and holiday decorations. Can be made permanent by baking at 265° F for 30 minutes. (Translucent at 212° F) Baked objects may be finished with acrylic paints, markers, and many other media. Two oz. packages.


FIMO®
Modelliermasse, einfach im Backofen zu härten (130°C)
DEHP free
Modelling material, easy to harden in the home oven (max. 265° F).
ohne DEHP
sans DEHP
Pâte à modeler tres facile à durcir au four menager (max. 130° C)
EFA Hobby
65 g
Conforms to ASTM D-4236
mit Perlglanz/Glamour
05 perlmutt/pearl/nacre

AM-12000A	#0 White	AM-12109E	#58 Fir Green
AM-12001B	#01 Transparent	AM-12026F	#6 Violet
AM-12002C	#02 Champagne	AM-12027G	#60 Lilac
AM-12145A	#05 Mother of Pearl	AM-12111G	#62 Lavender
AM-12004E	#1 Yellow	AM-12028H	#7 Caramel
AM-12369V	#11 Gold	AM-12029J	#77 Terra Cotta
AM-12005F	#15 Golden Yellow	AM-12030K	#8 Grey
AM-12006G	#17 Ochre	AM-12031L	#9 Back
AM-12007H	#2 Red	AM-12102W	#71 Bronze
AM-12008J	#20 Dusty Pink	AM-12362X	#81 Silver
AM-12009K	#21 Magenta	AM-12103X	#91 Anthracite
AM-12010L	#23 Bordeau Red	AM-12070H	#F1 Yellow Dayglo
AM-12011M	#25 Rosewood	AM-12071J	#F2 Red Dayglo
AM-12147C	#28 Apricot	AM-12072K	#F5 Green Dayglo
AM-12013P	#29 Carmine	AM-12073L	#F20 Pink Dayglo
AM-12014R	#30 Light Blue	AM-12087D	#N04 Nightglow
AM-12015S	#31 Dove Grey	AM-12239R	#S25 Rose Quartz
AM-12016T	#32 Lt. Turquoise	AM-12240S	#S3 Lapis Lazuli
AM-12017V	#34 Navy Blue	AM-12241T	#S32 Turquoise
AM-12018W	#35 Royal Blue	AM-12242V	#S5 China Jade
AM-12110F	#36 Midnight Blue	AM-12243W	#S7 Jasper
AM-12019X	#37 Blue	AM-12244X	#S8 Granite
AM-12020Y	#38 Turquoise	AM-12078L	#T1 Trans. Yellow
AM-12149E	#39 Mint	AM-12081W	#T2 Trans. Red
AM-12021A	#4 Orange	AM-12131G	#T21 Trans. Pink
AM-12022B	#43 Flesh	AM-12132H	#T37 Trans. Blue
AM-12023C	#5 Green	AM-12133J	#T4 Trans. Orange
AM-12025E	#57 Leaf Green	AM-1214K	#T5 Trans Green

FIMO SETS

FIMO sets contain 1 oz. packages of FIMO clay a modeling tool, a bottle of FIMO lacquer, and instructions.


America's #1 Polymer Clay
Sculpey
Perfect for modeling- soft and easy to use.
Can be Painted, sanded, drilled, and carved after baking.
Ideal for children's projects.
Flexible until you bake it.
Made in U.S.A.
Modeling Compound • Pâte à Modeler • Modelliermasse
Pasta de Modelar • Kneimasse • Modellera

AM-12076P	Basic Set #1	8 color
AM-12077R	Basic Set #2	15 color

FIMO LACQUER

A clear coating for additional protection while intensifying the brilliance of Fimo colors.

AM-12064B	8703 Gloss 10ml	AM-12118P	8705 Matte 10ml
AM-12065C	8704 Gloss 35ml	AM-12066D	8706 Matte 35ml

Waterbase

AM-12202W	8703-01Gloss 10ml	AM-12201V	8705-01 Matte 10ml
AM-12121T	8704-01Gloss 35ml	AM-12122V	8706-01 Matte 35ml

SCULPEY

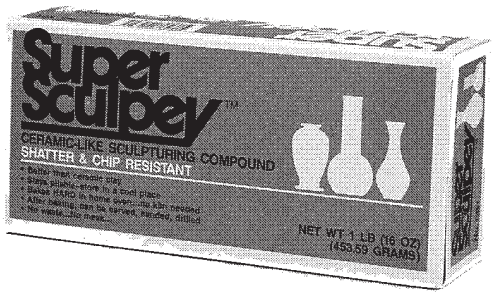
Sculpey is a modeling compound that remains pliable until baked. It bakes to a durable hardness at 300° F in less than 20 minutes, depending on size. A unique product that is different than clay.

SC-S/2	Sculpey	2 lb.
SC-S/8	Sculpey	8 lb.

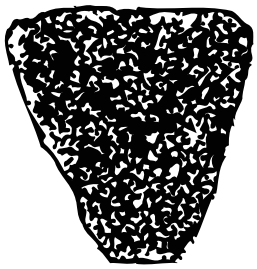
SUPER SCULPEY

Super Sculpey is similar to regular Sculpey, but bakes to a ceramic-like hardness that is shatter-proof and chip resistant. Bakes to hardness at 300° F in a home oven in less than 30 minutes, depending on size.

SC-SS/1	Super Sculpey	1 lb.



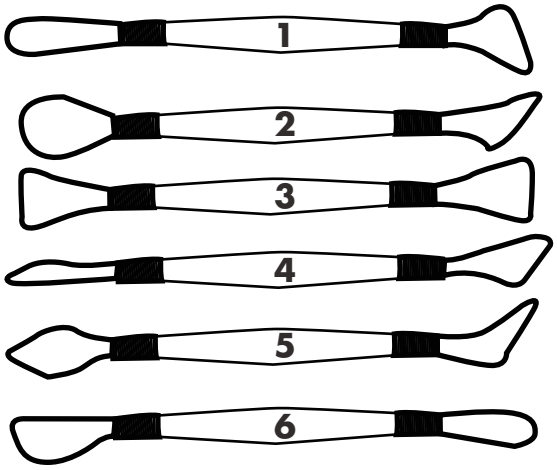
Elephant Ear Sponge



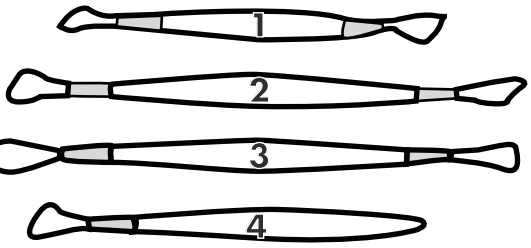
Sea Wool Sponge

Fettling Knife

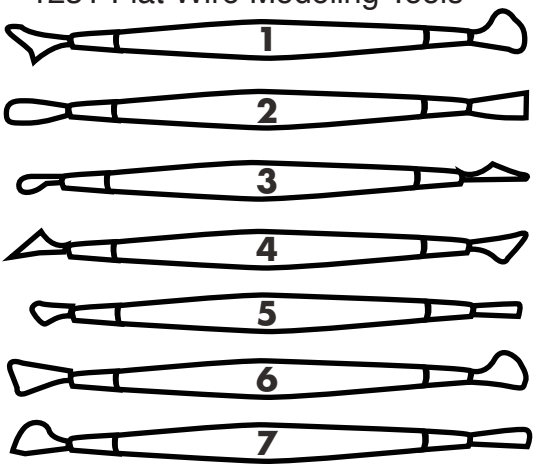
Round Wire Modeling Tools



WTC Flat Wire Modeling Tools



1231 Flat Wire Modeling Tools



SPONGES

Natural sea sponges used for smoothing clay. Also used by water color artists and print makers for special effects. Sea silk sponges are especially soft with a fine texture for fine control. Sea wool sponges have larger pores and hold more water for soaking. Elephant ear sponges are flat sea silk sponges specially trimmed and shaped to preserve a unique feather edge. Individually packaged with UPC codes.

LC-496 Sea Silk Sponge, Medium Size
LC-498 Sea Wool Sponge, Large Size
LC-499 Elephant Ear Sponge, Small Size
LC-500 Elephant Ear Sponge, Large Size

FETTLING KNIFE

The Fettling knife is used as a scraper to remove mold marks and shape wet clay. Blades are 4-1/2" long, of spring steel in soft and firm flex.

LC-96 Fettling Knife Soft Blade
LC-97 Fettling Knife Firm Blade

ROUND WIRE MODELING

High quality tools of hard maple with solid brass ferrules. The double, round wire ends are of high carbon spring steel. All six models are 8" in length.

LC-1356-X* Round Wire Modeling Tool

FLAT WIRE MODELING TOOL

Modeling tools of various length with flat ribbon steel blades and solid wood handles.

LC-WTC-X* Flat Wire Modeling Tool

FLAT WIRE MODELING TOOL

Modeling tools of standard 8" length with flat steel blades and solid wood handles.

LC-1231-X* Flat Wire Modeling Tool

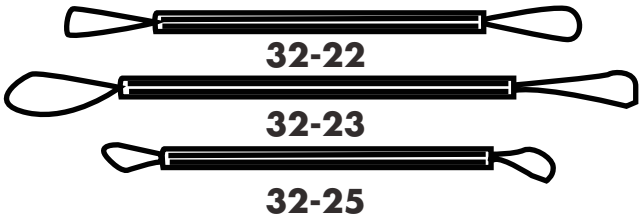
ALUMINUM FLAT WIRE TOOL

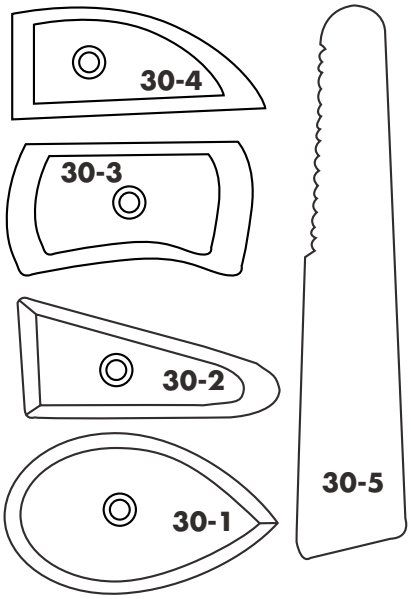
Modeling tools of various length with flat steel ribbon blades and aluminum handles.

LC-32-XX* Aluminum Flat Wire Tool

* Insert number where "X" is located.

Aluminum Flat Wire Modeling Tools





HARDWOOD POTTERS RIB

Potters ribs are basic shapes for curving, smoothing and trimming wet clay. Made of hardwood.

LC-30-X* Hardwood Potters Rib

STEEL SCRAPER RIB

Flexible Steel Scraper ribs in basic shapes for smoothing and trimming wet clay. All are 2 x 4" in size.

LC-P-5 Half Round Flexible Steel Rib
LC-P-6 Oval Flexible Steel Rib
LC-P-7 Serrated Half Round Flexible Steel Rib

RUBBER POTTERS RIB

A soft finishing rubber potters rib for smoothing and trimming wet clay.

LC-P-8 Rubber Potters Rib

BOXWOOD MODELING TOOLS

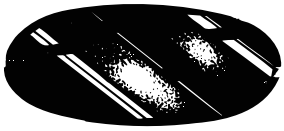
Boxwood modeling tools are 6" long, hand made and finished to a high luster. Add shape number where "X" is located.

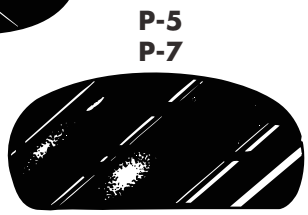
LC-1226B-X* Boxwood Modeling Tools

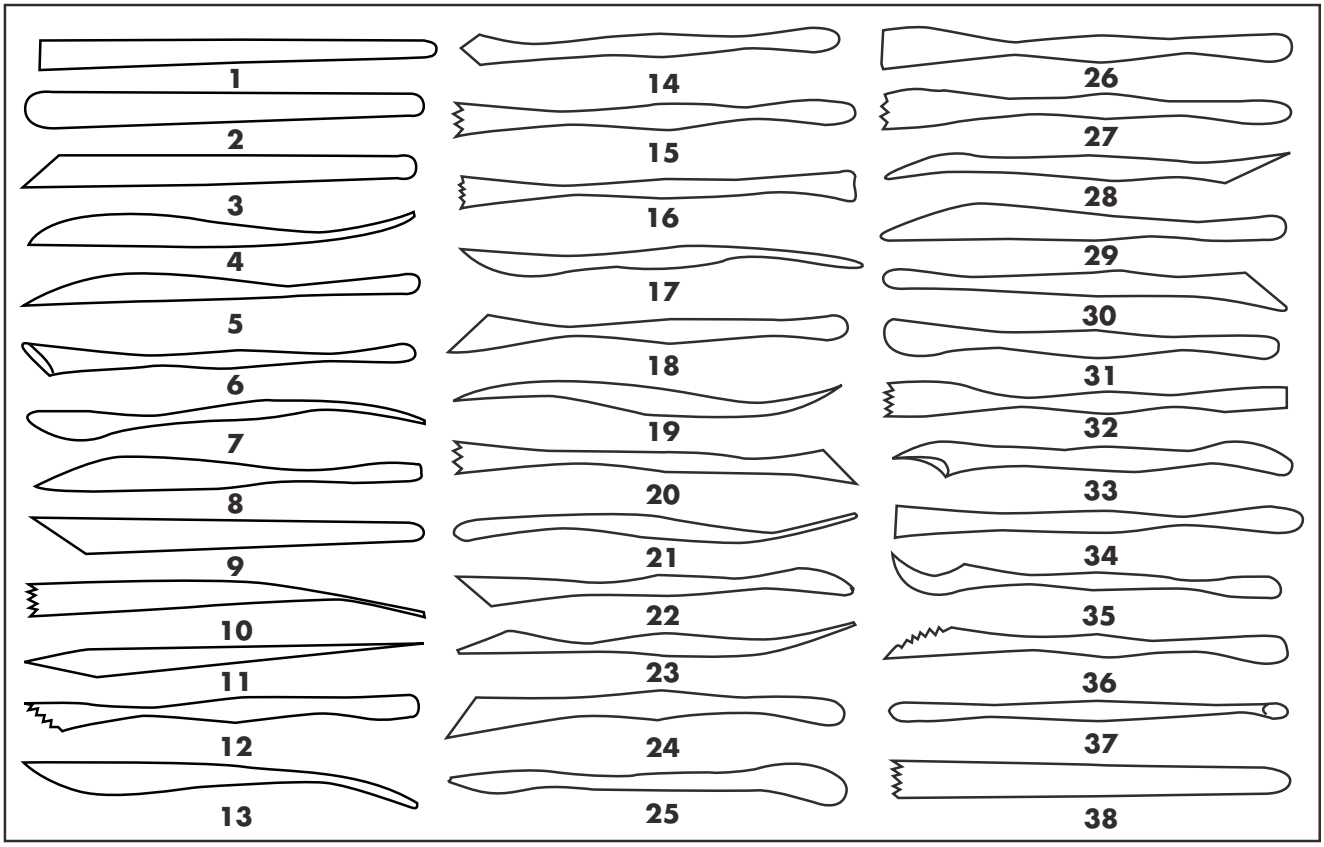
BOXWOOD TOOL SET

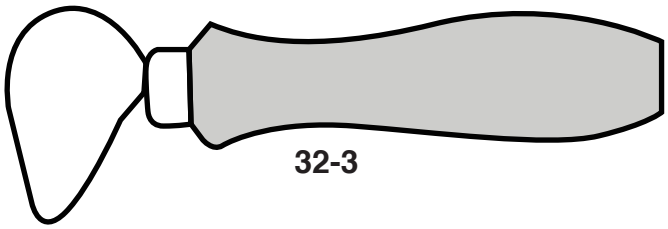
Set of six Boxwood modeling tools in either 6" or 8" in a plastic sheath.

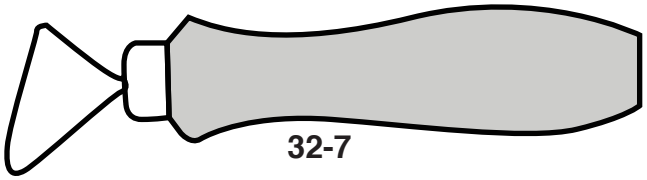
LC-1128 6" Boxwood Modeling Tool Set
LC-1129 8" Boxwood Modeling Tool Set

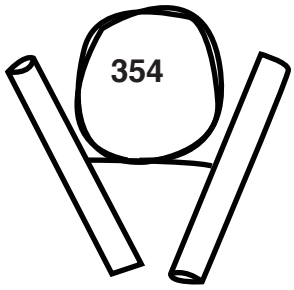


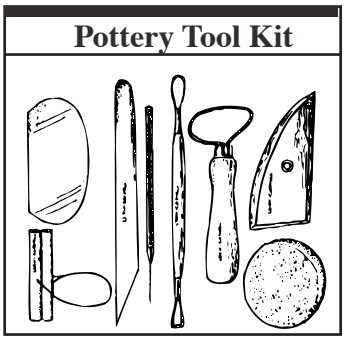


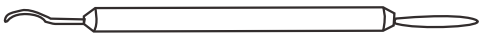


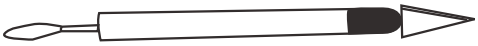


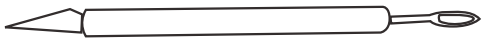


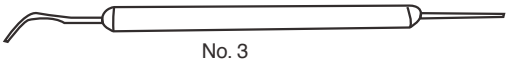


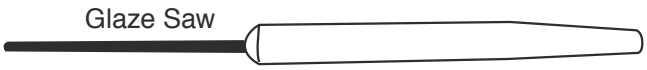


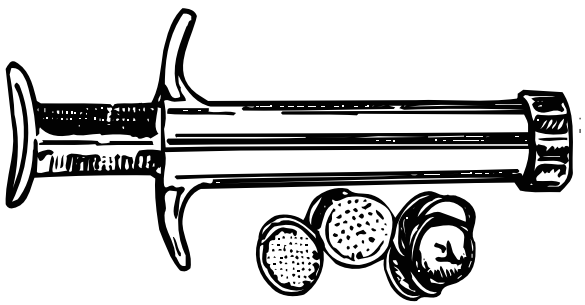












CLAY TRIMMERS

Clay trimmers have a heavy handle with a 1/4" flat metal blade and overall length of 5-1/2".

LC-32-3	Clay Trimmer, Oval Shape
LC-32-7	Clay Trimmer, Triangular Shape

WOOD CALIPER

Caliper made of hardwood that is 10" in length. Ideal for measuring real object to clay replica.

LC-351	Wood Caliper

WIRE TOGGLE CLAY CUTTER

Clay Toggle Cutter of flexible, tough wire that is strung between two wood handles. For fast cutting of large blocks of clay.

LC-354	Toggle Clay Cutter

* Insert number where "X" is located.

NEEDLEPOINT TOOL

Needlepoint tool with 1-3/4" metal needle and 2" wood handle.

LC-98	Needlepoint Tool

POTTERY TOOL KIT

A perfect kit for the beginner of professional. Contains a clay trimmer, wire end tool, rib scraper, needle tool, wood modeling tool, sponge, scraper, and wire clay cutter in a clear vinyl case. Ideal for college book stores.

LC-PTK	Pottery Tool Kit

SCRATCH KNIVES

Two popular shapes for correction, scraping and professional scratch board work. Also used for scratching litho film and other uses. Fits standard pen holders.

HUNT SCRATCH KNIVES

HU-9442	#112 Hunt Pointed
HU-9443	#113 Hunt Bowl

CLEAN UP TOOLS

A variety of metal shapes for scraping and cutting of objects after they are removed from the mold. Mounted in solid wood handles.

LC-001	#1 Clean Up Tool
LC-002	#2 Clean Up Tool
LC-003	#3 Clean Up Tool
LC-004	#120 Clean Up Tool

GLAZE SAW

A circular saw blade mounted in a wood handle for removing of extra glaze.

LC-005	S-21 Glaze Saw

CLAY GUN

A unique tool for clay forming. This all metal clay gun with 19 discs makes it easy to create textured and 3-D pieces in clay, bread dough, modeling compounds, and other pliable materials. Individually packaged.

LC-8325	Clay Gun

RUB 'N BUFF

Lustrous wax base metallic finishes for antiquing, crafts and decorating. Rub on any surface with a finger or dry cloth, then gently buff to a beautiful lustre. Color coded 1/2 oz. tubes, carded with instructions.

AM-76361A	Gold Leaf	AM-76372M	Autumn Gold
AM-76362B	Antique Gold	AM-76373N	Emerald
AM-76363C	Olive Gold	AM-76374P	Sapphire
AM-76365E	Chinese Red	AM-76375R	Jade
AM-76366F	Antique White	AM-76378W	Amethyst
AM-76367G	Pearl Blue	AM-76379X	European
	Gold		
AM-76368H	Spanish Copper	AM-76380A	Pewter
AM-76369J	Ebony	AM-763681B	Turquoise
AM-76370K	Silver Leaf	AM-76376S	Ruby
AM-76371L	Grecian Gold	AM-76364D	Patina

INTERIOR BRUSH 'N LEAF

Decorate or highlight with genuine leafing metallic in one brush-on step. Leafs beautifully on any surface or any material. 1 oz. bottles, carded.

AM-76630K	Gold Leaf	AM-76632M	Silver Leaf
AM-76631L	Antique Gold		

EXTERIOR BRUSH 'N LEAF

One brush-on step. Outdoor gold metallics designed to withstand weather and summer sun for 2 full years. 1 oz. bottles, carded.

AM-76640Y	Brass Gold
AM-76641A	Old Gold

GLOW IN THE DARK PAINT

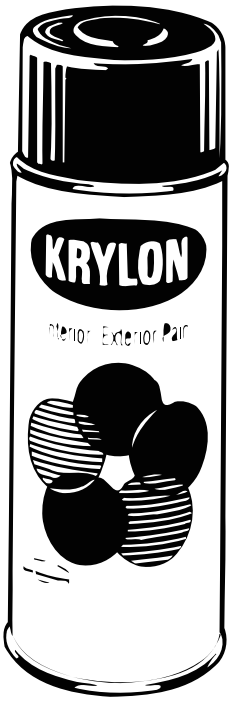
A non-toxic phosphorescent paint that casts a greenish glow in the dark and is easily charged with any light. Thins with water and gives a permanent finish on almost any surface. Ideal for Halloween, night lights, light switches, darkrooms, and more. 1/2 fl. oz bottle, carded.

AM-63166A	Glow In The Dark Paint

SPRAY PAINT

KRYLON SPRAY PAINT

Krylon spray paint is a high quality enamel with rust preventer added. Great for either outdoor or indoor use on almost any clean, dry surface. Paints have good covering power with less tendency to run than other brands. In 13 oz. aerosol cans.

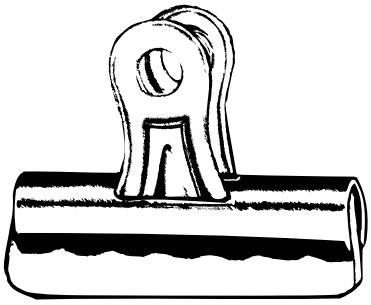


STANDARD COLORS

KR-1401	Brite Silver	KR-1903	Metallic Blue
KR-1501	Gloss White	KR-1910	True Blue
KR-1502	Flat White	KR-2001	Hunter Green
KR-1601	Gloss Black		
KR-1602	Flat Black	KR-2011	Jungle Green
KR-1603	Charcoal Gray	KR-2101	Cherry Red
KR-1605	Dove Gray	KR-2201	Brite Copper
KR-1701	Brite Gold	KR-2202	Brass
KR-1801	Chrome Yellow	KR-2301	O.D. Khaki Green
KR-1802	Pastel Yellow	KR-2401	Sunset Orange
KR-1803	Marigold Yellow		

FLUORESCENT COLORS

KR-3101	Red-Orange	KR-3105	Cerise
KR-3102	Yellow-Orange	KR-3106	Green
KR-3103	Sunset Gold	KR-3107	Blue
KR-3104	Lemon Yellow		

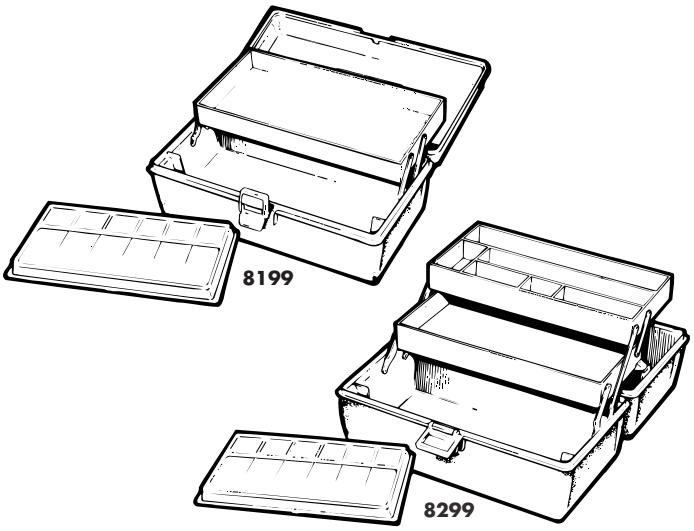


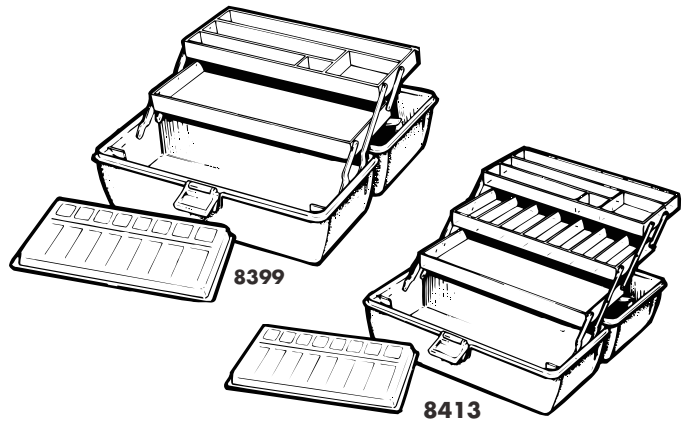
BULLDOG CLIPS

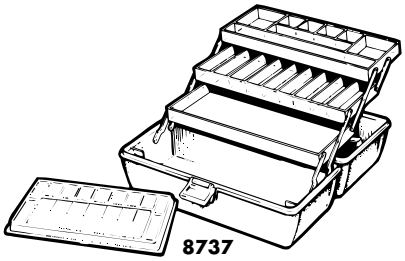
BULLDOG CLIPS

Heavy spring clips for items that are too thick for paper clips, and ideal for holding paper to "Masonite" boards. Handles are very easy to grip.

HU-2000	#0 Bulldog Clip, 1"	Box 36
HU-2001	#1 Bulldog Clip, 1-1/4"	Box 36
HU-2002	#2 Bulldog Clip, 2-1/4"	Box 36
HU-2003	#3 Bulldog Clip, 2-5/8"	Box 12
HU-2004	#4 Bulldog Clip, 3"	Box 12
HU-2005	Suction Cup Bulldog Clip	







ART BOXES

ART BIN

Sturdy boxes of molded plastic with trays that are ideal for holding tubes of paint. Bottom compartments are deep enough for jars, rags, brushes etc. The ideal way to transport your materials. Excellent for students.

8512 1 TRAY ART BIN

Box with one tray and six compartments. 12-3/8 x 7 x 4-3/8"

VP-8512	Art Bin with 1 Tray	Matte Black

8299 2 TRAY ART BIN

Box with two trays and seven compartments. 12-3/8 x 7 x 6".

VP-8299	Art Bin with 2 Trays	Raspberry

8399 2 TRAY ART BIN

Larger box with two trays and six compartments. 14-3/8 x 7-5/8 x 7".

VP-8399	Art Bin with 2 Trays	Slate Grey

8413 3 TRAY ART BIN

Box with three trays and thirteen compartments. 14-1/8 x 7-5/8 x 7".

VP-8413	Art Bin with 3 Trays	Soft Black

8737 3 TRAY ART BIN

Large box with 3 trays and 18 compartments. 16-1/2 x 8-3/4 x 7-1/2".

VP-8737	Art Bin with 3 Trays	Slate Grey

PORTFOLIOS

SKETCHMASTER

Sketchmaster is the number one choice of students and professionals. Each Sketchmaster is made of vinyl simulated to look like cowhide, has a heavy zipper, and inside pockets. Finish is scuff resistant. Available in one inch or three inch thick,in Black.

1" THICK		3" THICK
AL-PP1418	18 x 14"	AL-PP1418-3
AL-PP1722	22 x 17"	AL-PP1722-3
AL-PP2026	26 x 20"	AL-PP202-3
AL-PP2331	31 x 23"	AL-PP2331-3
AL-PP2436	36 x 24"	AL-PP2436-3
AL-PP3242	42 x 32"	AL-PP3242-3

PRESENTATION CASE

Presentation cases are portfolios with multi-ring metal binders inserted to hold clear acetate pages. The acetate pages are like an envelope to protect art work inserted in them. Eight acetate pages are furnished with each case, and replacements are available. Cases have a leather-like, scuff resistant exterior, nylon zippers and molded plastic handles. In black only.

AL-PCA0811	11 x 9"
AL-PCA1114	14 x 11"
AL-PCA1417	17 x 14"
AL-PCA1722	22 x 17"
AL-PCA1824	24 x 18"

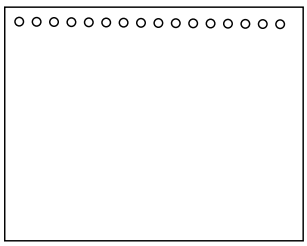
DISPLAY EASELS

Display Easels are multi-ring binders with acetate page inserts that can be set up to form an easel. Made up of scuff resistant, leather-like vinyl with ten acetate pages included. In black only.

		HOLES ON
AL-EB1401	11 x 9"	11" Side
AL-EB1402	14 x 11"	14" Side
AL-EB1403	17 x 14"	17" Side

ACETATE REFILL PAGES

Clear acetate refill pages that are punched for multi-rings, with black paper insert.

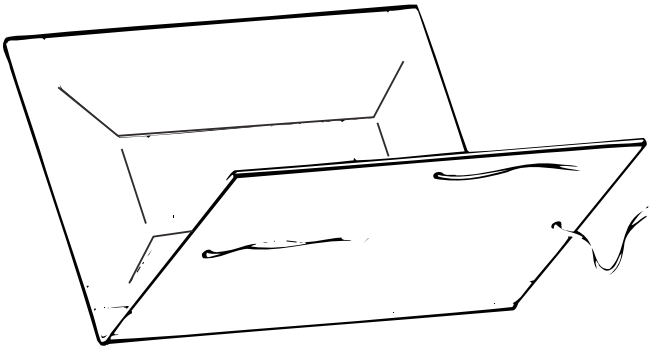


AL-RF11	11 x 8-1/2"	11" Side
AL-RF14	14 x 11"	14" Side
AL-RF17	17 x 14"	17" Side
AL-RF22	22 x 17"	22" Side
AL-RF24	24 x 18"	24" Side

STUDENT PORTFOLIOS

A traditional style artist and student portfolio that has a black pebble finish over hard covers that are scuff and water resistant. Sides are hinged on the long side and tie shut with strong tapes. Corners are reinforced for wear resistance. Excellent for carrying and protecting artwork and other papers. Available with inside flaps that fold over artwork to keep it from sliding out.

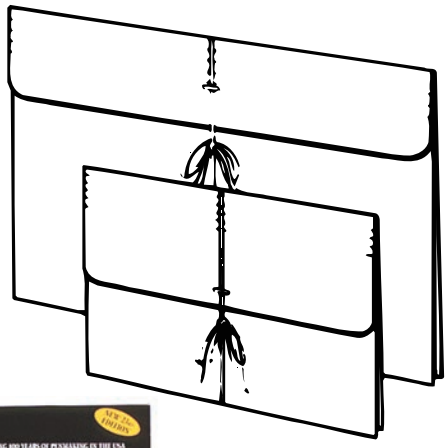
NW-055-3	17 X 22"
NW-055-4	20 X 26"
NW-055-5	23 X 31"



BLACK SABLE ENVELOPES

A new type of fibre envelopes made of sturdy black fibre board that is both stain and water resistant. Much more durable than standard red fibre envelopes. All purpose envelopes for transportation or storage of artwork or other important items. Available with handles or without. Both are two inches thick when expanded.

PLAIN		WITH HANDLES
NA-AP419	17 x 22"	NA-413PH
NA-AP420	20 x 26"	NA-420PH
NA-AP423	23 x 31"	NA-423PH



RED FIBRE ENVELOPES

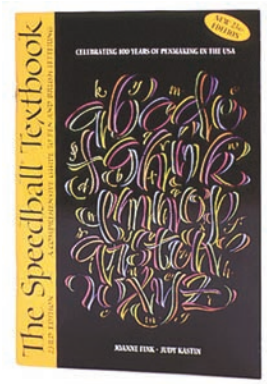
Traditional red fibre envelopes made of sturdy red wallet fibre board. All purpose envelopes for transportation or storage of artwork or other important items. Available with handles or without. Both are two inches thick when expanded.

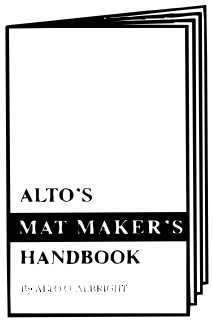
PLAIN		WITH HANDLES
NA-AP219	17 x 22"	NA-219PH
NA-AP220	20 x 26"	NA-220PH
NA-AP223	23 x 31"	NA-223PH
	24 x 36"	NA-246PH

KRAFT ENVELOPES

Sturdy kraft envelopes used for storing and presenting art work, Ideal for a variety of purposes.

KE-1317	13 x 17"
KE-1520	15 x 20"
KE-1722	17 x 22"
KE-2025	20 x 25"
KE-2227	22 x 27"





BOOKS

SPEEDBALL TEXTBOOK

A practical 96 page manual on all lettering and poster forms. It offers the widest variety of letter styles of any book on the market. An excellent instruction manual as well as a fine reference book. Edited by Ross F. George

HU-3066 Speedball Textbook

ELEMENTARY ALPHABETS

A 24 page book covering the basic alphabets, drafting alphabet, and manuscript. By Ross F. George

HU-3066 Elementary Alphabets

SCREEN PRINTING

A very good screen printing text that starts on the most basic level and continues through four color process printing. A text that will be valuable for years. By Frances and Norman Lassiter.

HU-4511 Screen Printing

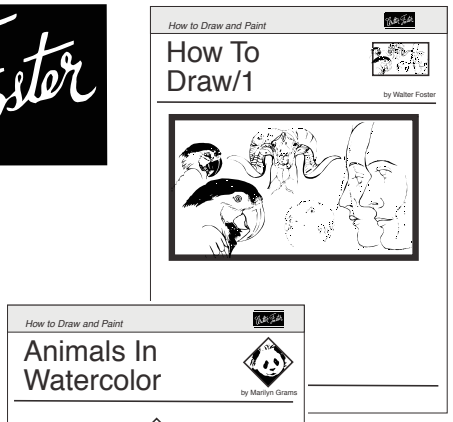
ALTO'S MAT HANDBOOK

A complete guide from the simplest to the most complex mat designs and decorating techniques. Filled with over 200 illustrations demonstrating proven techniques. (Included with #4501 & 4505 systems)

ALTO-03 Alto's Mat Makers Handbook

WALTER FOSTER ART BOOKS

Foster Art Books are among America's Most popular how-to books. A series of practical books with new and better understanding of the amateur and student artist. Books are 10-1/4 x 13-3/4", many of them in full color. Books average from 40 to 48 pages.



"HOW - TO" SERIES

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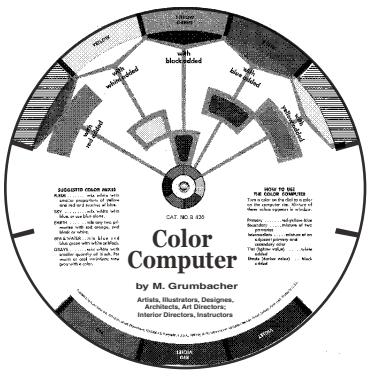
FB-002 How To Draw/2
FB-005 Watercolors
FB-010 Dogs
FB-011 Horses
FB-012 Animals
FB-013 Cats
FB-017 Heads
FB-020 Figures
FB-021 Anatomy
FB-025 Cartoon Animation (Basic Skills)
FB-026 Cartoon Animation
FB-029 Perspective Drawing
FB-036 #How To Do Ceramics
FB-056 Mix ing Colors & Materials To Use
FB-101 Ocean Sunsets
FB-106 Faces & Features
FB-134 Animal Cartoons
FB-135 Horses Heads
FB-152 #Oil Pastels
FB-157 Flowers & Designs to Copy
FB-171 China & Porcelain Painting
FB-180 Beautiful Landscapes & Seascapes/1
FB-183 Sea And Landscapes In Oils
FB-184 #Cats & Kittens
FB-186 Adventures in Acrylics & Oils/1
FB-187 #How To Put Life Into Your Painting
FB-188 #Water & Weather /2
FB-189 Little Furry Friends
FB-190 Film Cartoons
FB-191 Figures In Action
FB-192 #Tole Painting
FB-194 #Composition Made Easy
FB-197 Heads/2
FB-198 Beautiful Landscapes & Seascapes/2
FB-200 #Adventures in Arcylic & Oil/2
FB-201 Small Paintings that Sell
FB-203 #Porcelain Painting
FB-204 #Gulls & Other Sea Birds
FB-205 Watercolors Step-By-Step
FB-206 Clouds & Skyscapes
FB-207 Special Effects in Watercolors
FB-208 Secrets To The Magic Of Oil Painting
FB-209 #Adventure In Primitive Art
FB-210 #Boats In Watercolor
FB-211 Calligraphy & Lettering/2
FB-212 Airbrush Rendering
FB-213 Watercolor Workshop
FB-214 Roses & Floral Bouquets
FB-215 Still Life In Pencil
FB-216 #Landscape Workshop
FB-217 Buildings in Pencil
FB-218 Floral Bouquets
FB-219 #Oils on Watercolor Paper
FB-220 Comic Strips
FB-221 Creating Cartoon Characters
FB-222 Animals In Watercolor
FB-223 Introduction To Life Drawing
FB-224 #Children In Watercolor
FB-225 Landscapes In Pencil
FB-226 Painting in 4 Mediums

GRUMBACHER COLOR COMPUTER

Also called the "Dail-A-Color Harmony Wheel" this device was designed for use by artists, illustrators, decorators, students, instructors, or anyone concerned with using color. The color computer answers the problems of color mixing and color harmony by a turn of the wheel. Both sides of the wheel are used. One side is a mixing computer indicating results obtained when colors are mixed with each other or when black or white is added. The Harmony side indicates analogous and complimentary harmonies of color. Packed individually in plastic bags, 12 per carton.

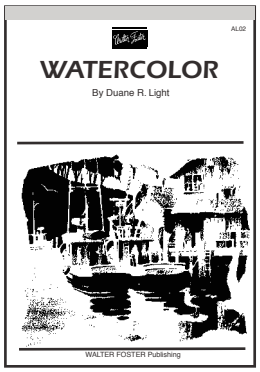

CAT. NO. S 426
Color Computer
by M. Grumbacher
Artists, Illustrators, Designers, Architects, Art Directors; Interior Directors, Instructors

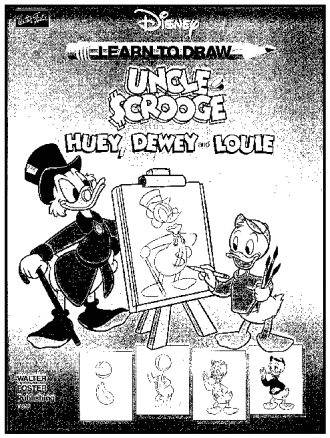
G-B420 Color Computer

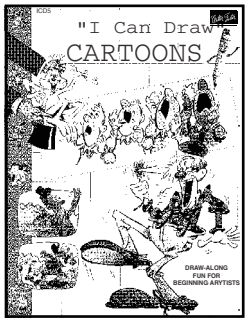
Walter Foster

ARTIST'S LIBRARY SERIES

This series offers both beginner and advanced artists opportunities to expand their creativity, conquer technical obsticals, and investigate new media. Each book is written an illustrated by a well known artist who i8s qualified to help take you to a new level of expertise. Each paperback book is 64 pages AND 6-1/2 X 9-1/2"







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FB-803	Pencil Drawing
FB-804	Acrylics
FB-805	Color (And How To Use It)
FB-806	#Drawing With Pen & Ink
FB-807	Colored Pencils
FB-808	#Pastels
FB-809	Airbrushing
FB-810	#Calligraphy (Techniques & Uses)
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FB-829	Mix Your Own Oils
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FB-833	#Modeling w/Polymer Clay
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FB-836	#Plein Air Ptg in Oil
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FB-838	Oil Painting Step by Step
FB-845	Acrylic Painting Step by Step
FB-845	Acrylic Painting Step by Step

Walter Foster

BEGINNERS ART SERIES

Your nover too old or young to begin enjoying art. This is a series where very basic skills are taught. A series that will instill a love of art that can last a lifetime. 8-1/2 x 10-3/4", 64 pages.

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FB-BA-02	#Color Fun
FB-BA-03	#Clay Fun
FB-BA-04	#Comic Strip Fun
FB-BA-05	#Poster Fun
FB-BA-06	#Art Paper Fun
FB-BA-07	#Cartoon Fun
FB-BA-09	#Felt Tip Pen Fun
FB-BA-10	#Colored Pencil Fun
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